

THE VASCULAR FLORA OF MADISON COUNTY, TEXAS

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ABSTRACT

A survey of the vascular flora of Madison County, Texas, was conducted from May 1996 to April 2000. The flora consists of 985 species in 488 genera and 136 families. The largest families in the flora are the Asteraceae (127 species), Poaceae (123 spp.), Fabaceae (76 spp.), Cyperaceae (63 spp.), and Euphorbiaceae (32 spp.). The species are compiled in an annotated list that includes for each species the common name, collection citations, and a designation as to whether that species is considered native or introduced. Habitat types where each species occurs are included in the list. Unusual habitats, introduced species, and rare and endemic taxa are discussed.

RESUMEN

Una investigación de la flora vascular de Madison County, Texas, fue realizada desde mayo de 1996 a abril de 2000. La flora está formada por 985 especies pertenecientes a 488 géneros y 136 familias. Las familias mayores son las Asteraceae (127 especies), Poaceae (123 esp.), Fabaceae (76 esp.), Cyperaceae (63 esp.), y Euphorbiaceae (32 esp.). Las especies se han compilado en una lista comentada que incluye para cada especie el nombre vernáculo, citas de las recolecciones, y una designación de si se considera nativa o introducida. Se incluyen en la lista los tipos de los hábitats en que vive cada especie. Están comentados los hábitats inusuales, especies introducidas, así como táxones raros y endémicos.

INTRODUCTION

Madison County, like many other counties of Texas, has lacked an in-depth floristic evaluation. A complete state-wide flora has long been a goal of Texas botanists. Lundell's *Flora of Texas* (1942) was intended to be a ten-volume series, but the project was abandoned in 1955. Correll and Johnston's *Manual of the Vascular Plants of Texas* (1970) incorporated Lundell's work, and remains the only reference with dichotomous keys encompassing the entire state. Updated checklists of the Texas flora have been compiled by Gould (1975a), Hatch et al. (1990), and Jones et al. (1997). Although these reference species by region or vegetational area, no county-by-county species information is available due to the dearth of local floristic studies. Reed (1997) compiled the *Manual of the Dicot Flora of Brazos and Surrounding Counties*, technically including Madison County. However, less than 200 collections from this county were available for reference from Texas A&M University's two herbaria at the time (FTC Herbarium Specimen Browser, internet reference).

Almost a century ago, Texas botanist William Bray stated that "before the

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flora of Texas suffers further radical changes, the schools of the state ought to cooperate in securing a complete and authentic list of species represented by carefully collected and well-preserved specimens" (Bray 1906). While the colleges and universities of Texas have a great tradition of ecological and systematic studies, a century has brought us but little closer to a modern state-wide flora. The radical floristic changes of which Bray spoke continue unabated and often unobserved, and the labor-intensive floras of Texas counties are still woefully few.

The objectives of this county flora were to 1) collect, identify, and preserve specimens of all vascular plants occurring in Madison County, Texas; 2) generate a species list for the county and delineate patterns of plant communities by habitat preference; and 3) analyze the flora for disjuncts, notable range extensions, endemics, recent invaders, and rare taxa. This article is provided as a summary of the first author's M.S. thesis research (Neill 2000). Information is also available on the Madison County Flora Website at <<http://BIOCOURSE.BIO.TAMU.EDU/graduate-students/neilla/madhome.htm>>. This site includes annotated species lists, searchable in several formats, as well as maps and links to images.

Site Description

Madison County comprises 302,451 acres (122,398 ha) in east-central Texas between 30°49' and 31°06' N latitude and 95°37' and 96°13' W longitude (Ramos 1997). The county is bordered on the west by the Navasota River and Brazos County, on the east by the Trinity River and Houston County, on the north by Leon County, and on the south by Bedias Creek and Grimes and Walker counties (Fig. 1). The county seat and largest city is Madisonville, situated about 90 mi (142 km) NNE of Houston.

The land surface is flat to gently rolling and generally slopes to the southeast, with elevations ranging from 420 ft (128 m) above sea level south of Normangee to 140 ft (43 m) above sea level along the lower Trinity River and Bedias Creek (a tributary of the Trinity) (U.S.G.S. 1962–1989). The eastern two-thirds of the county are drained by these watercourses, which converge at the southeastern corner. While the Trinity is a hydrologically tamed river with a historical floodplain 10 miles wide and now largely under cultivation, Bedias Creek is for most of its length a small, deep creek with extensive bottomlands of oxbow lakes, swamps, and frequently flooded ridge-and-swale topography. The Navasota River (a tributary of the Brazos River) drains the western third of Madison County, where it meanders through a wide and wooded floodplain of sloughs, natural lakes, terraces, and ravines.

The geology of East Texas is the result of alluvium washed southward by rivers and deposited in layers upon the advance and retreat of coastal waters in the Gulf of Mexico. This deposition occurred in the region during the Eocene

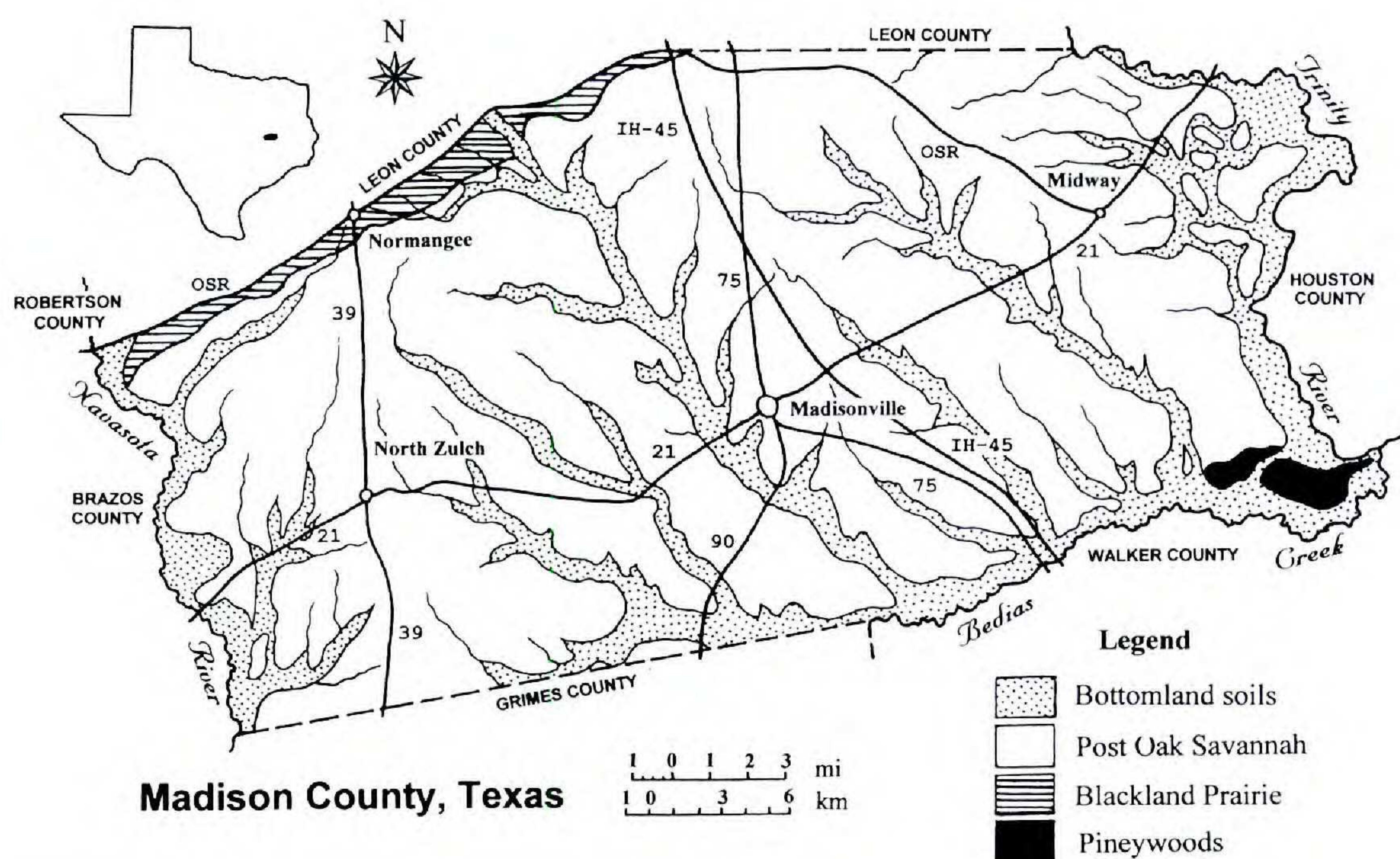


FIG. 1. Location and map of bottomland soils and vegetation zones. Adapted from Gould et al. (1960) and Neitsch (1994)

Epoch (58 to 37 mya) of the Tertiary Period (Spearing 1991). The Eocene layers deposited in Madison County are members of the Claiborne Group and are composed of clays, shales, siltstones, sandstones, and lignites (Neitsch 1994). Neitsch (1994) lists 12 soil associations in the county, with six upland soils and three prairie soils, all loamy sands and clays. Three bottomland soils of alluvial clay cover modern floodplains and young terraces.

The Madison County frost-free growing season averages 250 days, with a mean maximum July temperature of 96°F (35°C) and a mean minimum January temperature of 38°F (3°C). Precipitation peaks in the spring and fall and averages 41.6 in (106 cm) annually (Ramos 1997).

Cultural History

Although no major archaeological sites have been found in Madison County, some Indian camp sites and kitchen-middens have been found that date from 3000 B.C. (Madison County Historical Commission 1984). Tribes of the Caddo Confederacy formed permanent settlements in the eastern part of the county, where the people cultivated corn and squash. Nomadic tribes that occupied the county include the Bedia, who frequented Bedia Creek and its confluence with the Trinity River, and apparently had a village in this peninsular area (Neitsch 1994; Texas Almanac 1951).

French and Spanish explorers, missionaries, and soldiers began leading expeditions through the area in the mid-sixteenth century. The first Spanish

settlement, Bucareli—where present-day Texas Highway 21 crosses the Trinity River—was established in 1774 as an outpost against French invasion. Bucareli was abandoned in 1779 due to flooding, epidemics, and raids by the nomadic Comanches (Madison County Historical Commission 1984).

Madison County is most historically significant for containing the intersection of two early roads. Originally Indian trails, these roads were used by missionaries, explorers, and eventually settlers. The Old San Antonio Road (OSR), also known as El Camino Real, or the King's Highway, connected settlements in the East with those in San Antonio and Mexico. Today, this modern highway forms most of the northern border of Madison County. At the town of Midway, another road known as La Bahia Trail split from OSR and led southwest to the mission at Goliad (U.S. Dept. of the Interior 1998).

Madison County was organized in 1853, and settlement increased rapidly to a population of 3000 by 1860 (Texas Almanac 1951). By 1900, the population had grown to 10,432, and 71,000 acres were being farmed (Richardson 1940). Over 20,000 acres of this was in cotton. Three railroads were built through the county, and the population peaked in 1930 at 12,227 inhabitants (Ramos 1997; Richardson 1940). Pasture and hayland for beef cattle production have replaced most cultivated crops today. Seventy percent of the county is used as rangeland, hayland, and pasture (Neitsch 1994). Fishing and hunting are important land uses in the county, with many properties leased for seasonal duck and deer hunting.

Botanical History

Every vegetation map available represents Madison County as an ecotone. Past ecologists and botanists in Texas recognized that the area around the 96th meridian, which divides the county in half, is a zone where western xerophytic grasslands mingle with eastern mesophytic forests (Bray 1906; Blair 1950; Cronquist 1982; Tharp 1926). Allred and Mitchell (1955), Correll and Johnston (1970), Cory and Parks (1937), and Gould et al. (1960) generally agree upon the boundaries of the three major vegetation zones converging in Madison County; these vegetation zones commonly are called the Pineywoods, Blackland Prairies, and Post Oak Savannah (Fig. 1).

Correll and Johnston (1970) described the vegetational areas largely in accordance with past descriptions. The Pineywoods region of East Texas represents the most mesophytic area of Texas and is characterized by extensive pine and pine-hardwood forests with intermittent swamps. Madison County's eastern edge is one of the most westward-extending tongues of this vast vegetational zone. The Blackland Prairies region lies in three diagonal bands trending NE-SW across east-central Texas. Of the two southern bands of Blackland Prairie, the San Antonio Prairie occupies the border of northwestern Madison County, and the Fayette Prairie is sometimes shown to extend into the south-central portion of the county. The Post Oak Savannah region interdigitates with

the Blackland Prairies. A belt of Post Oak Savannah occupies most of central Madison County.

Although no extensive vegetational studies have been conducted in Madison County, past research has included floristic aspects found within the county. Both Launchbaugh (1952) and Hightower (1987) investigated changes in vegetation structure in response to disturbance in the San Antonio Prairie. Diamond (1980) described remnant plant communities of the Fayette Prairie, which is the southern disjunct of the Blackland Prairie proper, placing the northern limits of the Fayette Prairie in Grimes and Walker counties. McCaleb (1954) analyzed the vegetation of the southern Post Oak Savannah and included Madison County within his Oak-Hickory Forest Region. Allen's (1974) vegetational study of the lower Navasota described plant communities along the watershed in Grimes County and points south. Apparently, none of the above investigators conducted research within Madison County. There are no resultant voucher specimens for the county in the Tracy (TAES) or Biology Department (TAMU) herbaria at Texas A&M University (FTC Herbarium Specimen Browser, internet reference).

METHODS

Vascular plants were collected at frequent and regular intervals in Madison County, from May 1996 to April 2000. Public lands (roadsides, railroad rights-of-way, city parks, and cemeteries) were investigated, and habitats identified as unusual were revisited over several seasons. With the assistance of a local newspaper article (Levey 1998), private landowners were contacted for permission to collect on their properties. Other private lands were chosen with the aid of aerial photographs, overflight in a small chartered plane, and topographic and soils maps, in order to survey both agricultural/livestock land-use areas and to investigate possible unusual or undisturbed habitats. Urban areas (Madisonville, Normangee, North Zulch, and Midway) provided disturbed upland sites supporting a unique, weedy flora. Riparian and lacustrine systems were accessed at bridges, on private property, and by canoe.

At the time of plant collection, data were recorded on the specific habitat and relative abundance of the species in the area. Publications describing similar research were reviewed for exposure to floristic protocol. References include Allen (1974), McCaleb (1954), Reed (1997), Starbuck (1984), and Wilson (1972). References used for plant identification were Correll & Johnston (1970), Diggs et al. (1999), and Reed (1997). Grasses were identified with *The Grasses of Texas* (Gould 1975b), and identifications were verified by Stephan Hatch and Dale Kruse at the S.M. Tracy Herbarium in College Station, Texas (TAES). Sedges (*Carex* sp.) were identified with an unpublished key to the *Carex* of Texas provided by Stanley Jones, curator of the Botanical Research Center, College Station, Texas (BRCH), and identifications were verified by him. Other experts consulted were Monique Reed (TAMU), Theodore Barkley at the Botanical Research Institute

of Texas (BRIT), and Richard Rabeler at the University of Michigan Herbarium (MICH). Taxonomic classification essentially followed the Cronquistian system (Cronquist 1988), with the exception of familial treatment of the Tupelo family (Nyssaceae), Chickenspike family (Sphenocleaceae), and Dodder family (Cuscutaceae). Voucher specimens collected throughout the project were deposited in the herbaria at Texas A&M University in College Station, Texas (TAMU, TAES), and are available for examination.

A search of the Flora of Texas Consortium Browser (2000a) revealed some species that the authors did not find in the county, and these are included in the checklist. Only those specimens held at TAMU and TAES were seen by the authors. Numerous older specimens had been labeled “Madison County” but actually were collected northwest of Normangee in Leon County. The location and identification of species collections held at ASTC, LL, TEX, SHST, and SMU have not been verified.

RESULTS AND DISCUSSION

Madison County vascular plant collections resulted in a total of 2254 specimens. The flora is comprised of 1041 taxa with 985 species in 488 genera and 136 families. The five largest plant families are Asteraceae (127 species), Poaceae (123 spp.), Fabaceae (*sensu stricto*) (76 spp.), Cyperaceae (63 spp.), and Euphorbiaceae (32 spp.). These five families contain approximately 44% of the species found in Madison County. Further numerical distributions of the flora are found in Table 1.

Major Vegetational Habitats

Thirteen major habitat types were classifiable in Madison County. These habitats are essentially those described for Robertson County, Texas, by Starbuck (1984). Riparian habitats and lowlands include habitats in water, near water, and low areas within floodplains. Aquatic emergent (AEM), aquatic floating (AFL), and aquatic submerged (ASU) are habitat categories for obligate aquatic species and those plants that were found in standing water due to flooding. Habitats along the banks and frequently (two or more times a year) flooded areas of riverine and lacustrine bodies of water were divided into major riparian (RLM) and minor riparian (RUM) habitats. Major riparian habitat is that of the Navasota and Trinity rivers, whereas minor riparian habitats are those along creeks and ponds. Lowland habitats flooded once a year or less frequently were divided by woody cover into terrestrial lowland woods (TLW), terrestrial lowland open (TLO), and terrestrial lowland mixed (TLM). Drier upland areas were similarly divided into terrestrial upland woods (TUW), terrestrial upland open (TUO), and terrestrial upland mixed (TUM). Two of Starbuck’s habitat groups, parasite (PAR) and epiphyte (EPI), better describe plant habits, but were maintained for consistency in this text. Two of Starbuck’s habitats were not used. His bog (BOG)

TABLE 1. Distributional summary of the Madison County flora.

Taxa	Families	Genera	Species
Ferns & Allies	11	13	14
Gymnosperms	3	4	5
Dicots	101	357	697
Monocots	21	114	269
Total	136	488	985

habitat applies to the acidic *Sphagnum* bogs found in the deep sands of Robertson County (Bryant 1977; Starbuck 1984). This habitat is not present in Madison County. Starbuck’s terrestrial prairie (TPR) habitat was used in his text solely for specimens collected by Hightower (1987) at a remnant prairie locality. Although certain plant species in Madison County could be characterized as prairie species, no undisturbed prairie habitats are intact in the county today.

Aquatic habitats such as oxbow lakes, stock ponds, reservoirs, drainage ditches, and shallow creek and river margins supported a unique flora. Uncommon herbs found in these habitats include *Juncus repens*, *Nelumbo lutea*, *Thalia dealbata*, and *Utricularia radiata*. Lowland and riparian habitats contain the most diverse flora in Madison County. The extensive wooded floodplains of the Navasota River and Bedias Creek exemplify typical bottomland hardwood vegetation. Trees most common in low, moist areas of the county include *Carya aquatica*, *Fraxinus pennsylvanica*, *Nyssa sylvatica*, *Planera aquatica*, *Quercus lyrata*, *Q. nigra*, *Q. phellos*, *Tilia americana*, and *Ulmus crassifolia*. Disturbances to this area include logging, flooding, and cattle grazing. Due to agricultural use and the construction of levees and dams, the Trinity River floodplain forests are less extensive. Some segregation of species was found when comparing collections from the two major riparian habitats (RLM). Species found only within the Navasota River floodplain include *Amsonia illustris*, *Aristolochia tomentosa*, *Baptisia alba*, *Brunnichia ovata*, *Carex complanata*, *C. crus-corvi*, *Mikania scandens*, *Planera aquatica*, *Prunus caroliniana*, *Tillandsia recurvata*, *Urtica chamaedryoides*, and *Zizaniopsis miliacea*. Species found only within the Trinity River floodplain include *Amorpha fruticosa*, *Ampelopsis cordata*, *Carex retroflexa*, *Clematis reticulata*, *Equisetum laevigatum*, *Hibiscus moscheutos*, *Panicum virgatum*, and *Woodwardia areolata*. Terrestrial lowland open habitats (TLO) were typically found in deforested areas or river floodplains, low pastures, moist roadside ditches, and other open areas near bodies of water. These habitats are often disturbed by grazing and mowing and thus support a variety of weedy invader species as well as native perennial herbaceous species.

Level upland sites in Madison County are prime locations for pastures and haymeadows, as they were mostly cleared in the last century for cropland. Most wooded areas within what would be considered uplands are nearly always found

along creeks, and so would be included in the terrestrial lowland classifications for this study. True wooded upland sites (TUW) and mixed upland habitats (TUM) do occur, and these may be categorized into three general association types:

1. Post Oak – Winged Elm – Yaupon Association

This association encompasses nearly all upland wooded sites in the county, and is typical of the Post Oak Savannah vegetation type. The association is found in areas with sandy loam topsoil and gray clay subsoils and is characterized by *Quercus stellata*, *Ulmus alata*, and *Ilex vomitoria*.

2. Blackjack Oak – Post Oak – Winged Elm Association

Characterized by the presence of *Quercus marilandica*, sites exhibiting this association are generally more poorly drained than those with the Post Oak – Winged Elm – Yaupon association. The aspect of these sites is also that of the Post Oak Savannah vegetation type but was frequently found with tall grasses seen in the Blackland Prairie vegetation type, such as *Andropogon ternarius*, *Sorghastrum nutans*, and *Schizachyrium scoparium*.

3. Southern Red Oak – Sweet Gum – Post Oak Association

This association occurs in the eastern third of the county and is characterized by a dominance of *Quercus falcata* and *Liquidambar styraciflua*. These sites have acidic sandy soils with good drainage. The best examples of this association are found in the uplands along Youngs Creek Canyon and Cobb Creek Canyon. These localities are discussed in the Unique Habitats section. The Padina series of deep sands is frequently found at these sites. *Sassafras albidum* and *Pinus taeda* are also found in this association.

Terrestrial upland open habitat (TUO) is ubiquitous and easily accessed in Madison County. Like open lowland sites, these generally roadside and pasture habitats are characterized by non-native herbs and grasses, although it is here that many of the showy and popular wildflowers of Texas also may be seen. Open upland habitats are first to suffer in summer drought conditions, when even narrow county roadsides are mown for hay in this county. It is difficult to find examples of this habitat type that have not experienced disturbance. Pasture sites are frequently invaded by *Prosopis glandulosa* and *Acacia farnesiana*.

Epiphytes (EPI) found in the county are restricted to *Pleopletis polypodioides*, *Tillandsia recurvata*, and *T. usneoides*. Parasites (PAR) found in the county include *Cuscuta cuspidata*, *C. glomerata*, *C. obtusifolia*, *Orobanche multiflora*, and *Phoradendron tomentosum*.

Unique Habitats

Several localities in Madison County, primarily on private lands, exhibit unusual characteristics that deserve special mention. Isolated populations of *Pinus taeda* are found at several places in the county, but the only area that deserves

designation as the East Texas Pineywoods vegetation type is found in southeastern Madison County, on the peninsula formed by the confluence of the Trinity River and Bedias Creek and extending up Bedias Creek for several miles, although this area also contains some lowland hardwood forest. Species collected only in this habitat include *Aristolochia serpentaria*, *Carex hyalina*, *Dioscorea villosa*, *Lygodium japonicum*, and *Spiranthes praecox*.

No intact, undisturbed pieces of the San Antonio Blackland Prairie are preserved in Madison County. The narrow band of prairie that once followed OSR from the Navasota River to a few miles east of Interstate Highway 45 has been lost to grazing, crops, and encroachment of woody species. Although the roadsides are occasionally mown, some portions of this stretch of road contain pockets of prairie herbs along the fencelines and treelines. These sites support species including *Astragalus distortus*, *Buglossoides arvensis*, *Eriogonum longifolium*, *Eryngium yuccifolium*, *Lythrum alatum*, *Orbexilum simplex*, *Pentstemon australis*, *Rudbeckia grandiflora*, *R. maxima*, and *Silphium radula*. Roadsides along OSR are the best places in the county for wildflower viewing in the spring and summer.

The Navasota River will continue to host some of the most unique habitats in Madison County if the wild stretch of it south of Lake Limestone is allowed to remain unimpounded. The upper terraces along the river consist of deep sands where a high water table produces springs and nearly bog-like seeps. Here, two springs supported a number of species not found elsewhere in the county: *Baccharis halimifolia*, *Galium obtusum*, *Hydrocotyle ranunculoides*, *Juncus debilis*, *Polypogon monspeliensis*, *Ranunculus sceleratus*, *Saccharum baldwinii*, *Sagittaria platyphylla*, and *Taxodium distichum*. The flows of these springs have been altered by landowners to provide water for livestock, but the habitat is still rich and unique. One site also had a spring-seep area surrounded by *Myrica cerifera* and *Rubus argutus* and harbored a few species typically associated with true bogs, such as *Pluchea foetida*, *Rhexia mariana*, and *Fuirena squarrosa*. Unfortunately, in 1999 the site was excavated to create a small tank, and the altered hydrology may not continue to support these unusual plants.

Numerous natural lakes and oxbows are found along the Navasota River. Oxbows in low woods near the river host several aquatic and terrestrial species rarely or never seen elsewhere in the county. Some of these are *Didiplis diandra*, *Eragrostis hypnoides*, *Juncus repens*, *Oldenlandia boscii*, *Saururus cernuus*, and *Utricularia radiata*. Just south of OSR on the Navasota River lies a string of natural lakes in the open floodplain. These lakes have a unique flora differing from that of the oxbow lakes. Species found in and around these lakes include *Bacopa rotundifolia*, *Eleocharis palustris*, *Justicia americana*, *Nelumbo lutea*, *Nuphar lutea*, *Sphenoclea zeylanica*, and *Zizaniopsis miliacea*. Most of these species were found nowhere else in the county. Plants in these bodies of water

are somewhat protected from curious botanists by snapping turtles and nesting alligators.

The Navasota River has created ancient high river terraces, which appear as a series of hills that are easily seen from OSR. These hills have bald tops with a white sand summit ringed by scrubby Post Oak woods, and rocky sides with rich prairie-like pockets. These unusual hills host species with distinctly xeric, western affinities. Species restricted to the sands include *Argemone albiflora*, *Asclepias viridiflora*, *Croptilon rigidifolium*, and *Mirabilis linearis*. *Rivina humilis* was found under the oaks near the summit of one of these hills. Species only seen on the rocky hillsides include *Loeflingia squarrosa* and *Opuntia humifusa*. The latter was covered with the scale insects (Homoptera: Coccoideae) from which the red pigment cochineal is extracted. The grassy areas of the hillside were the only sites for *Dalea compacta* in the county.

In the northern portion of the county are two creeks that drain into the Trinity River, Youngs Creek and Cobb Creek. These creeks have cut down into the ancient terrace of sand, clay, and mudstone to form deep canyons, creating a landscape unlike that in any other part of Madison County. However, the two creeks have very different histories, and this is reflected in their floras. Youngs Creek Canyon formed within the past 70 years as the result of an excavation by the owners in an attempt to divert the creek and reduce flooding of the surrounding cropland (Leon Wakefield, pers. comm. 1997). The easily eroded soil was quickly washed down to the ironstone bedrock, creating sculpted walls more than seven meters high, bizarre monolithic pinnacles of sandstone, and waterfalls. The surrounding land exhibits the uncommon Southern Red Oak - Sweet Gum - Post Oak association, but the canyon itself has not yet developed a unique flora. Only two species, *Hydrocotyle umbellata* and *Najas guadalupensis*, were found solely at Youngs Creek Canyon. Future monitoring of species recruitment at this easily accessible canyon could provide an interesting study of colonization in a situation of unusual disturbance.

The uplands around Cobb Creek are similar to those around Youngs Creek, but the maze of spring-fed gullies and canyons was created without human interference. This locality supports a flora that is allied with that of northeastern Texas and has produced several species range extensions. Species found only along springs and low banks of Cobb Creek are *Apios americana*, *Aralia spinosa*, *Carex emoryi*, *Onoclea sensibilis*, *Quercus shumardii*, *Triadenum walteri*, and *Woodwardia areolata*. One very unusual habitat at this canyon was a site with a hanging garden on the canyon wall that was continued in some aspects on the cliff above. The woods on the cliff were mostly composed of *Quercus marilandica*. Species found nowhere in the county other than this site include *Areolaria grandiflora*, *Echinacea angustifolia*, *Lactuca hirsuta*, *Liatris elegans*, *Osmunda cinnamomea*, and *Spiranthes tuberosa*. Other species unique to

wooded upper banks of Cobb Creek include *Dichanthelium ravenelii*, *Erythronium albidum*, *Hieracium gronovii*, and *Packera obovata*. Species never or only rarely encountered elsewhere and occurring on high sandy banks and open areas include *Alophia drummondii*, *Cuphea carthagenensis*, *Cuphea glutinosa*, *Drosera brevifolia*, *Euphorbia tetrapora*, *Hypericum gymnanthum*, *Juglans nigra*, *Lepuropetalon spathulatum*, and *Rotala ramosior*.

One area of the county is of particular and current interest because of its impending destruction. As reported in Hipp (2000), a 27,400-acre (11,089 ha) reservoir is planned on upper Bédias Creek at the junction of Madison, Grimes, and Walker counties. The impoundment will obliterate some of the most pristine and mature low woodlands along Bédias Creek. Species found only in the area scheduled to be inundated are *Carex corrugata*, *Orbexilum pedunculatum*, *Poncirus trifoliata*, and *Liatris cymosa*, an endemic discussed in the following section. The proposed reservoir will possibly flood the only area in the county where *Spiranthes parksii*, an endangered orchid, has been collected. This species is also discussed in the following section. Opponents of the Bédias reservoir have expressed concern for the loss of wildlife habitat and possible archaeological sites. We would add that the proposed reservoir threatens some of the greatest plant diversity and grandest natural beauty in Madison County.

Range Extensions, Invaders, and Rare Taxa

This project found 40 species, in 11 genera and 5 families, not previously collected in the counties surrounding Brazos County and Texas A&M University, which was the area covered by Reed (1997). The most notable range extension is that of *Vicia lutea*, or Yellow Vetch. Madison County collections of *V. lutea* constitute the first record of its presence in Texas, as discussed in Neill (1999). Already known to occur in North Carolina, Louisiana, and California, this annual Mediterranean weed now is to be expected in other Texas counties. Three dramatically invasive species with few local records were found in Madison County: *Alternanthera philoxeroides*, *Lygodium japonicum*, and *Petrorhagia dubia*. These exotics will undoubtedly become familiar weeds in the area.

One hundred fifty non-Texas-native taxa were found in the county, or over 14% of the total taxa of Madison County. The majority of these non-natives are roadside and pasture weeds, favored by disturbance and occasionally introduced for forage. A few non-native crop species were found as waifs or persisting small populations. Examples of these crops include *Asparagus officinalis*, *Brassica rapa*, *Solanum esculentum* var. *cerasiforme*, and *Triticum aestivum*. Non-native species introduced for horticultural purposes were found in varying stages of persistence at old abandoned home sites and at cemeteries throughout the county. Examples of species restricted to these sites and not appearing to be adventive are *Canna × generalis*, *Ficus carica*, *Hedera helix*, *Hemerocallis fulva*, *Hibiscus syriacus*, *Hippeastrum bifidum*, *Lagerstroemia indica*, *Lantana camara*,

Ligustrum lucidum, *Liriope spicata*, *Oxalis rubra*, *Stenotaphrum secundatum*, and *Wisteria sinensis*. Horticultural species appearing mildly adventive in that they occurred in areas where they were not likely to have been planted, or they were witnessed to be reproducing in localized areas, include *Ailanthus altissima*, *Gladiolus italicus*, *Iris pallida*, *Mirabilis jalapa*, *Nandina domestica*, *Narcissus jonquilla*, *Pyrus calleryana*, *Rosa multiflora*, and *Solanum capsicastrum*. A number of horticultural escapes are well known invaders and are established and naturalized throughout the county, including *Albizia julibrissin*, *Ligustrum sinense*, *Lonicera japonica*, *Melia azedarach*, and *Sapium sebiferum*.

Texas endemics found within Madison County are *Cucurbita pepo* var. *texana*, *Krigia cespitosa* f. *gracilis*, *Lechea sansabeana*, *Liatris cymosa*, *Lupinus subcarnosus*, *L. texensis*, *Palafoxia rosea* var. *rosea*, *Spiranthes parksii*, and *Valerianella florifera* (Flora of Texas Consortium 2000b).

Three species of special concern were collected and are discussed below. The source for federal information is Texas Parks & Wildlife (1991).

Carex hyalina Boott.—This sedge was collected only at one site, in sandy upland pine woods near the Trinity River-Bedias Creek confluence. *Carex hyalina* was considered rare and imperiled in 1990 and was a federal candidate under review for possible listing as Category 2 and either threatened or endangered in Texas. This species seems to be more common than previously thought and currently has no federal status.

Liatris cymosa (H. Ness) K. Schum.—This endemic species is restricted to approximately six counties in southeast Texas. Although its restricted range places it in danger of extinction, this species is not under federal review for listing. This species was collected only at one site, on eroded clay at the edge of low woods near Bedias Creek in south-central Madison County.

Spiranthes parksii Correll.—This endemic species was federally listed as rare and endangered in 1982, and is restricted to approximately eight counties in southeast Texas. This species has been collected twice in the south-central part of the county. Other likely habitats in the county were searched, but it was never encountered by the authors.

ANNOTATED CHECKLIST OF THE SPECIES OF MADISON COUNTY, TEXAS

Vascular plant families are alphabetically arranged within their respective divisions. Angiosperm families are subdivided into the Magnoliopsida (Dicots) and Liliopsida (Monocots). Taxa are listed alphabetically within families by genus, species, and subspecific epithets, and authorities are given for all species. Latin names are followed by common names. Parenthetical annotation includes a designation of nativity to Texas, indicated by N (native) or I (intro-

duced), followed by abbreviations of the major vegetational habitats in which the taxon was collected. Alphabetically, these are: aquatic emergent (AEM), aquatic floating (AFL), aquatic submerged (ASU), epiphyte (EPI), parasite (PAR), major riparian (RLM), minor riparian (RUM); terrestrial lowland mixed (TLM), open (TLO), and woods (TLW); and terrestrial upland mixed (TUM), open (TUO), and woods (TUW). Voucher specimen numbers collected by Neill (N) are held at TAMU and TAES herbaria at Texas A&M University. Other collectors' numbers are given with the collector's surname and herbarium abbreviation: Stephen F. Austin University (ASTC), Botanical Research Institute of Texas (BRIT and SMU), University of Texas (LL and TEX), and Sam Houston State University (SHST). Common names and nativity data are from Correll and Johnston (1970), Diggs et al. (1999), and Hatch et al. (1990).

LYCOPODIOPHYTA

ISOETACEAE

Isoetes melanopoda J. Gay & Durieu ex Durieu,
Quillwort (N; AEM) N 2545

EQUISETOPHYTA

EQUISETACEAE

Equisetum laevigatum A.Br., Smooth Horsetail (N;
RLM) N 1942

POLYPODIOPHYTA

ASPLENIACEAE

Asplenium platyneuron (L.) B.S.P., Ebony Spleen-
wort (N; TLW, TUM) N 595, 1203, 1246

AZOLLACEAE

Azolla caroliniana Willd., Water Fern (N; AFL) N
130, 981, 1997

BLECHNACEAE

Woodwardia areolata (L.) T. Moore, Chain Fern (N;
RUM) N 2081, 2666

DRYOPTERIDACEAE

Onoclea sensibilis L., Sensitive Fern (N; RLM, RUM)
N 581, 2667
Woodsia obtusa (Spreng.) Torr., Common
Woodsia (N; RUM, TLW, TUW) N 56, 596, 1587,
1660

MARSILEACEAE

Marsilea macropoda A.Br., Water-clover (N; TLW)
N 1934

OPHIOGLOSSACEAE

Botrychium biternatum (Savigny) Underw.,
Cutleaved Grapefern (N; TLW) N 2390

Botrychium lunaroides (L.) Sw., Grapefern (N) Wil-
son 6269 (TAMU)

Ophioglossum crotalophoroides Walter, Heartleaf
Adder's Tongue (N) Wilson 6267, 6268 (TAMU)

OSMUNDACEAE

Osmunda cinnamomea L., Cinnamon Fern (N;
TLM) N 2668

POLYPODIACEAE

Pleopeltis polypodioides (L.) Andrews & Windham
ssp. *michauxiana* (Weath.) Andrews &
Windham, Resurrection Fern (N; EPI) N 558

SCHIZACEAE

Lygodium japonicum (Thunb.) Swartz, Japanese
Climbing Fern (I; TUW) N 1432

PINOPHYTA

CUPRESSACEAE

Juniperus virginiana L., Eastern Red Cedar (N;
TUM, TUO) N 83, 341, 2013, 2456
Platycladus orientalis (L.) Franco., Arborvitae (I;
TLM) N 630

PINACEAE

Pinus echinata Mill, Shortleaf Pine (N; TUM) N 1116
Pinus taeda L., Loblolly Pine (N; TLW, TUW) N 1225,
1453, 2054, 2520

TAXODIACEAE

Taxodium distichum (L.) Rich., Bald Cypress (N;
RUM) N 217

MAGNOLIOPHYTA: MAGNOLIOPSIDA

ACANTHACEAE

Dicliptera brachiata (Pursh.) Spreng. (N; RLM) N 825

Hygrophila lacustris (Schlecht. & Cham.) Nees,
Lake Acanthus (N; RLM) N 834
Justicia americana (L.) Vahl, American Water-wil-
low (N; RLM) N 1888
Justicia ovata (Walter) Lindau var. *lanceolata*
(Chapm.) R.W. Long, Lanceleaved Water-wil-
low (N; RLM, TLM, TLW) N 59, 284, 1655, 2196
Ruellia humilis Nutt., Low Ruellia (N; TUO) N 203,
624, 982, 1684, 1799, 1806
Ruellia nudiflora (Engelm. & A. Gray) Urban, Vio-
let Ruellia (N; TLW, TUO) N 985, 1998
Ruellia strepens L., Limestone Ruellia (N; RLM,
TLW) N 582, 1642

ACERACEAE

Acer negundo L., Boxelder (N; RUM, TLW, TUM) N
141, 1010, 1582, 2184

AMARANTHACEAE

Alternanthera philoxeroides (Mart.) Griseb., Alliga-
tor-weed (I; AEM) N 1915
Amaranthus albus L., Tumbleweed Amaranth (N;
TUO) N 2699
Amaranthus palmeri S. Wats., Palmer Amaranth
(N; TUM, TUO) N 2242, 2262
Amaranthus polygonoides L., Tropical Amaranth
(N; TUO) N 244
Amaranthus rudis Sauer, Weedy Amaranth (N;
RLM, RUM, TLO) N 815, 963, 2182, 2208
Amaranthus spinosus L., Spiny Amaranth (I; TUO)
N 243, 2308
Amaranthus viridis L., Green Amaranth (I; TUO) N
2241, 2269
Froelichia drummondii Moq., Drummond
Snakecotton (N) *Taubenhaus* 2643 (TAES)
Froelichia floridana (Nutt.) Moq., var. *floridana*
Florida Snakecotton (N; TUO) N 242
Froelichia floridana (Nutt.) Moq. var. *campestris*
(Small.) Fern., Florida Snakecotton (N; TUO)
N 727, 2216
Gossypianthus lanuginosus (Poir.) Moq. in A. DC.
var. *lanuginosus*, Woolly Cottonflower (N;
TUO) N 1072
Iresine rhizomatosa Standl., Rootstock Bloodleaf
(N; RLM, RUM) N 868, 1013

ANACARDIACEAE

Rhus aromatica Aiton var. *serotina* (Greene)
Rehd., Fragrant Sumac (N; TUM, TUO, TUW)
N 529, 2098, 2561
Rhus copallina L., Flameleaf Sumac (N; TLM, TUM,
TUW) N 733, 1134, 1724

Rhus glabra L., Smooth Sumac (N; TLM) N 147
Toxicodendron radicans (L.) Kuntze. ssp. *radicans*,
Poison Ivy (N; TLM, TUW) N 157, 1452, 1457

APIACEAE

Bowlesia incana Ruiz & Pav., Hoary Bowlesia (I;
RUM) N 2503
Chaerophyllum tainturieri Hook. var. *dasycarpum*
Hook. ex S. Wats., Hairyfruit Chervil (N; TLM)
N 1239, 1577
Chaerophyllum tainturieri Hook. var. *tainturieri*,
Chervil (N; TLO, TLW) N 521, 1271
Cicuta maculata L. var. *maculata*, Spotted Water-
hemlock (N; RUM, TLM, TUM) N 75, 648, 1810,
1953
Cyclospermum leptophyllum (Pers.) Sprague,
Slimlobe Celery (I; RUM, TLM, TLW) N 1597,
2160, 2536
Cynosciadium digitatum DC., Finger Dogshade
(N; RUM, TLO, TLW) N 52, 1669, 1741, 1925
Daucus pusillus Michx., Rattlesnake Weed (I; TLO,
TUO) N 602, 1690, 1835, 2625
Eryngium hookeri Walp., Hooker Eryngo (N; RLM,
TLO, TUO) N 127, 583, 1750, 1882, 1956, 1979
Eryngium prostratum Nutt. ex DC., Creeping
Eryngo (N; RUM, TUW) N 251, 1912, 2614
Eryngium yuccifolium Michx. var. *yuccifolium*, But-
ton Snakeroot (N; TUM, TUO) N 182, 642
Hydrocotyle ranunculoides L.f., Floating Water-
pennywort (N; AEM, RUM) N 1346, 1989
Hydrocotyle umbellata L., Umbrella Water-pen-
nywort (N; RUM) N 603
Hydrocotyle verticillata Thunb. var. *triradiata* (A.
Rich.) Fern., Whorled Water-pennywort (N;
RUM, TLO) N 1746, 2509
Hydrocotyle verticillata Thunb. var. *verticillata*,
Whorled Water-pennywort (N; RLM) N 118,
1988
Limnoscium pinnatum (DC.) Math. & Const.,
Arkansas Dogshade (N; RLM, TLW) N 121,
1571, 1926
Limnoscium pumilum (Engelm. & A. Gray)
Math. & Const., Prairie Dogshade (N; RUM,
TUW) N 1634, 1663
Polytaenia nuttallii DC., Prairie Parsley (N; TLM,
TUM, TUO) N 63, 621, 764
Polytaenia texana (J.M. Coult. & Rose) Math. &
Const., Texas Prairie Parsley (N; RUM) N 2041
Ptilimnium nuttallii (DC.) Britton, Nuttall Mock
Bishops Weed (N; TUM, TUO) N 23, 566, 615,
1797, 2650

Sanicula canadensis L., Canada Snakeroot (N; TLW, TUW) N 599, 1412, 1557

Spermolepis divaricata (Walter) Raf. ex Ser., Forked Scaleseed (N; TUM, TUO) N 1789, 2624

Spermolepis inermis (Nutt. ex DC.) Math. & Const., Spreading Scaleseed (N; TUO) N 2599

Torilis arvensis (Huds.) Link., Hedgeparsley (I; TLM, TUM) N 753, 1581

Trepocarpus aethusae Nutt. ex DC. (N; RLM, TLM) N 53, 587

APOCYNACEAE

Amsonia illustris Woods., Blue Star (N; RLM, TLO, TLW) N 1347, 1657, 1995, 2322

Apocynum cannabinum L., Dogbane (N; TUM, TUO) N 1801, 2281

Trachelospermum difforme (Walter) A. Gray, Climbing Dogbane (N; RLM, TLO, TLW, TUM, TUW) N 233, 610, 1675, 1745, 1919, 2323, 2612

AQUIFOLIACEAE

Ilex decidua Walter, Possum-haw (N; RLM, TUM, TUW) N 422, 665, 943, 1051, 1110, 1208, 1447

Ilex longipes Chapm. ex Trel. var. *hirsuta* Lundell, Georgia Holly (N) Dixon 432 (SMU) (Lundell 1943)

Ilex opaca Aiton, American Holly (N; RLM, TUW) N 216, 1665

Ilex vomitoria Aiton, Yaupon Holly (N; RLM, TUM, TUW) N 215, 942, 1050

ARALIACEAE

Aralia spinosa L., Devil's Walking Stick (N; RUM) N 2073

Hedera helix L., English Ivy (I; TLM) N 1244

ARISTOLOCHIACEAE

Aristolochia serpentaria L. var. *hastata* (Nutt.) Duchartre, Virginia Dutchman's Pipe (N; TLW) N 2382

Aristolochia tomentosa Sims, Woolly Pipe-vine (N; RLM) N 2341

ASCLEPIADACEAE

Asclepias amplexicaulis Sm., Blunt-leaf Milkweed (N; TLO, TUW) N 1662, 1757

Asclepias obovata Ell., Milkweed (N; TUM) N 2058

Asclepias oenotherioides Cham. & Schltldl., Primrose Milkweed (N; TLO, TUM, TUO) N 238, 569, 1871

Asclepias tuberosa L., Butterfly Milkweed (N; TLM, TUO) N 70, 1802, 1836

Asclepias verticillata L., Whorled Milkweed (N; TUM, TUO) N 91, 718, 1795, 1813

Asclepias viridiflora Raf., Green Antelope Horn (N; TUM) N 1870

Asclepias viridis Walter, Antelope Horn (N; TUO) N 207, 279, 702, 1527

Cynanchum laeve (Michx.) Pers., Smooth Swallow-wort (N; RLM) N 900

Matelea cyanchoides (Englem.) Woods, Sand Milkvine (N; TLW, TUM, TUO) N 1682, 1727, 1775

Matelea gonocarpos (Walter) Shinnars, Milkvine (N; TLW, TUM) N 214, 531, 1498, 1861

ASTERACEAE

Achillea millefolium L. var. *occidentalis* DC., Yarrow (I; TUO) N 81

Ambrosia artemisiifolia L., Common Ragweed (N; TUM, TUO) N 2086, 2394

Ambrosia psilostachya DC., Western Ragweed (N; TLO, TUM, TUO) N 266, 928, 1020, 2370, 2701

Ambrosia trifida L., Giant Ragweed (N; RLM, TLO, TUO) N 34, 820, 961, 2286

Amphiachyris dracunculoides DC., Annual Broomweed (N; TUO) N 326, 911, 2180, 2713

Arnoglossum plantagineum Raf., Indian Plantain (N; TLM, TUM) N 96, 1579

Artemisia ludoviciana Nutt., Louisiana Sagewort (N; TUM, TUO) N 1118, 2153, 2696

Aster drummondii Lindl. var. *texanus* (Burgess) A.G. Jones, Texas Aster (N; TUM) N 1104

Aster ericoides L., Heath Aster (N; TLW, TUO) N 986, 1066, 2425

Aster fragilis Willd., Aster (N; TLM) N 1016

Aster lanceolatus Willd., Aster (N; TLO) N 1040

Aster lateriflorus (L.) Britton, California Aster (N; RLM, TUM) N 949, 1123

Aster oolentangiensis Ridd., Azure Aster (N; TUM, TUO) N 1096, 2413

Aster patens Aiton var. *gracilis* Hook., Skydrop Aster (N; TUO) N 1071

Aster patens Aiton var. *patens*, Skydrop Aster (N; TUM, TUO) N 329, 1137, 2368, 2427

Aster patens Aiton var. *patentissimus* (Lindl. ex DC.) T. & G., Skydrop Aster (N; TUM) N 1793

Aster praealtus Poir., Tall Aster (N; RLM) N 885

Aster sericeus Vent. var. *microphyllus* DC., Silky Aster (N; TUM, TUO) N 1078, 1651, 2369, 2426

Aster subulatus Michx. var. *ligulatus* Shinnars, Lawn Aster (N; TLO, TUO) N 947, 1069

- Astranthium integrifolium* (Michx.) Nutt., Western Daisy (N; TUO) N 2605
- Astranthium integrifolium* (Michx.) Nutt. ssp. *ciliatum* (Raf.) DeJong, Western Daisy (N; TLM) N 2578
- Baccharis halimifolia* L., Eastern Baccharis (N; RUM) N 2329
- Baccharis neglecta* Britton, Roosevelt-weed (N; TUO) N 328, 1001, 1084
- Berlandiera pumila* (Michx.) Nutt., Soft Greeneyes (N; TUM, TUO) N 80, 2154
- Bidens bipinnata* L., Spanish Needles (N; TLM, TLW, TUM) N 774, 2391, 2424
- Bigelovia nuttallii* L.C. Anders, Slender Bigelovia (N; TLM) N 2044
- Boltonia asteroides* (L.) L'Her., White Boltonia (N; TUM) N 1776
- Boltonia diffusa* Ell., Small Boltonia (N; TUM, TUO) N 2087, 2108
- Calyptracarpus vialis* Less., Horseherb (N; TUO) N 2239
- Centaurea americana* Nutt., American Basketflower (N; TLO, TUO) N 133, 617
- Chaetopappa asteroides* (Nutt.) DC., Common Least Daisy (N; TLO, TUO) N 1222, 1706, 2474
- Chrysopsis pilosa* Nutt., Soft Goldaster (N; TLO, TUM) N 104, 178, 1781, 1996, 2256
- Cirsium altissimum* (L.) Spreng., Iowa Thistle (N; Cory 54578 (LL)
- Cirsium engelmannii* Rydb., Engelman Thistle (N; TUO, TUW) N 698, 1952
- Cirsium horridulum* Michx., Bull Thistle (N; TLM, TUO) N 551, 1491
- Cirsium texanum* Buckl., Southern Thistle (N; TUM) N 1866
- Conyza canadensis* (L.) Cronq. var. *canadensis*, Horsetail (N; TUO, TUW) N 1047, 2710
- Conyza canadensis* (L.) Cronq. var. *glabrata* (A. Gray) Cronq., Horsetail (N; TLM, TUO) N 2295, 2693
- Coreopsis basalis* (Dietr.) Blake, Goldenmane Tickseed (N; TLO, TUM, TUO) N 33, 1845, 2616
- Coreopsis grandiflora* Hogg. ex Sweet var. *longipes* (Hook.) T. & G., Bigflower Tickseed (N; TLO, TUM, TUO) N 463, 1466, 1798, 2568
- Croptilon divaricatum* (Nutt.) Raf., Slender Scratch Daisy (N; TUM, TUO) N 277, 775, 2251, 2328
- Croptilon rigidifolium* (E.B. Smith) E.B. Smith, Scratch Daisy (N; TUM, TUO) N 1873, 2392
- Dracopsis amplexicaulis* (Vahl) Cass., Claspig Coneflower (N; TLW, TUO) N 1751, 2569
- Echinacea angustifolia* DC. var. *angustifolia*, Black Sampson (N; TLM) N 2671
- Echinacea sanguinea* Nutt., Purple Coneflower (N; TLM, TUM) N 1710, 1784
- Eclipta prostrata* (L.) L., Yerba de Tago (N; RLM, RUM, TLM) N 839, 980, 2198, 2683
- Elephantopus carolinianus* Raeusch, Leafy Elephantfoot (N; RLM, RUM, TLW) N 294, 774, 832, 2330, 2396
- Engelmannia peristenia* (Raf.) Goodman & C.A. Lawson, Engelmann's Daisy (N; TLO, TUO) N 515, 1826, 2567
- Erigeron strigosus* Muhl. ex Willd. var. *beyrichii* (Fisch. & Mey.) T.&G. ex A. Gray, Prairie Fleabane (N; TLO, TUO) N 565, 2637
- Erigeron strigosus* Muhl. ex Willd. var. *strigosus*, Prairie Fleabane (N; TLM, TLO, TUM, TUW) N 1807, 1899, 2046, 2598, 2613
- Erigeron tenuis* T. & G., Slender Fleabane (N; TLM, TLO, TLW, TUO) N 39, 1302, 1515, 1622, 2636
- Eupatorium capillifolium* (Lam.) Small, Dog-fennel (N; TUM, TUO) N 773, 1113, 2387
- Eupatorium coelestinum* L., Mistflower (N; RLM, RUM, TLW) N 738, 838, 2116
- Eupatorium compositifolium* Walter, Yankeeweed (N; TUM, TUO) N 984, 2185, 2299, 2431
- Eupatorium incarnatum* Walter, Pink Boneset (N; TLM, TLW) N 1026, 2388, 2417
- Eupatorium semiserratum* DC., Boneset (N; RUM, TUO) N 2226, 2247
- Eupatorium serotinum* Michx., Late Boneset (N; RLM, RUM, TUM, TUO) N 225, 293, 739, 2119, 2215
- Eurybia hemispherica* (Alex.) Nesom, Low Aster (N; TLM, TUM, TUO) N 2412, 2420, 2695
- Euthamia leptcephala* (T.&G.) Greene (N; TLM, TUO) N 2378, 2430
- Evax candida* (T.&G.) A. Gray, Silver Rabbit-tobacco (N; TUM, TUO) N 547, 1852, 2564
- Evax prolifera* DC., Bighead Rabbit-tobacco (N; TLW) N 1263
- Evax verna* Raf., Manystem Rabbit-tobacco (N; TUO) N 1520
- Facelis retusa* (Lam.) Schultz-Bip. (I; TLW, TUO) N 1511, 2475, 2497
- Gaillardia pulchella* Foug., Indian Blanket (N; TUO) N 208, 2393

- Gnaphalium falcatum* Lam., Cudweed (I; TLW) N 1248, 1927
- Gnaphalium obtusifolium* L., Fragrant Cudweed (N; TLM, TLW, TUO) N 2294, 2423, 2697
- Gnaphalium pensylvanicum* Willd., Pennsylvania Cudweed (N; TLW, TUO) N 387, 1252, 1574
- Gnaphalium purpureum* L., Purple Cudweed (N; TUO, TUW) N 655, 1965
- Helenium amarum* (Raf.) Rock var. *amarum*, Sneezeweed (N; RLM, TUW) N 166, 654
- Helenium flexuosum* Raf., Purplehead Sneezeweed (N; TLO) N 2552, 2611
- Helenium microcephalum* DC., Smallhead Sneezeweed (N; TUO) N 568
- Helianthus annuus* L., Sunflower (N; TLO, TUO) N 73, 2204
- Helianthus debilis* Nutt. ssp. *cucumerifolius* (T.&G.) Heiser, Cucumberleaf Sunflower (N; TUO) N 1957, 2113
- Helianthus grosseserratus* Martens, Sawtooth Sunflower (N; TLM, TLO) N 1017, 1045
- Helianthus hirsutus* Raf., Hairy Sunflower (N; RUM, TUM) N 2011, 2045
- Heterotheca mariana* (L.) Ell., Maryland Camphorweed (N; TLO) N 1825 (*Chrysopsis mariana* (L.) Ell.)
- Heterotheca subaxillaris* (Lam.) Britton & Rusby var. *latifolia* (Buckl.) Gandhi & Thomas, Camphorweed (N; TLO, TLW, TUM) N 939, 1132, 2395
- Heterotheca subaxillaris* (Lam.) Britton & Rusby var. *subaxillaris*, Camphorweed (N; TLO) N 638
- Hieracium gronovii* L., Hawkweed (N; RUM) N 2675
- Hymenopappus scabiosaeus* L'Her. var. *artemisiifolius* (DC.) Gandhi & Thomas, Ragweed Woolly-white (N; TLO, TUO) N 1514, 1608, 2593
- Hymenopappus scabiosaeus* L'Her. var. *scabiosaeus* (T.&G.) B.L. Turner, Flattop Woolly-white (N; TUM) N 505, 535
- Iva angustifolia* Nutt. ex DC., Narrowleaf Marshelder (N; TLO, TUM, TUO) N 983, 1083, 2230, 2254, 2337
- Iva annua* L., Marshelder (N; RLM, TLM, TLO) N 845, 964, 2206
- Krigia cespitosa* (Raf.) Chambers f. *cespitosa*, Weedy Dwarf Dandelion (N; TLM, TLW) N 1295, 2531, 2583
- Krigia cespitosa* (Raf.) Chambers f. *gracilis* (DC.) Kim, Dwarf Dandelion (N; TLM, TUO) N 514, 1540, 2530, 2584
- Krigia dandelion* (L.) Nutt., Tuber Dwarf Dandelion (N; TUM, TUO) N 536, 1320, 2558
- Krigia occidentalis* Nutt., Western Dwarf Dandelion (N; TUO) N 2494
- Krigia virginica* (L.) Willd., Virginia Dwarf Dandelion (N; TUO) N 2562
- Lactuca canadensis* L., Wild Lettuce (N; TLW, TUM, TUO) N 1783, 2027, 2090, 2109, 2653
- Lactuca floridana* (L.) Gaertn., Florida Lettuce (N; TUW) N 1664, 1910
- Lactuca hirsuta* Muhl. var. *albiflora* (T.&G.) Shinnars, Hairy Lettuce (N; TLM) N 2672
- Lactuca ludoviciana* (Nutt.) Ridd., Wild Lettuce (N; TUO) N 2651
- Lactuca serriola* L., Prickly Lettuce (I; RLM) N 852
- Liatris cymosa* (H. Ness) K. Schum., Branched Gayfeather (N; TUM) N 2298
- Liatris elegans* (Walter) Michx., Pinkscale Gayfeather (N; TLM) N 2669
- Liatris mucronata* DC., Gayfeather (N; TLM, TUM, TUO) N 2231, 2314, 2429
- Liatris squarrosa* (L.) Michx., Gayfeather (N; TUO) N 719, 1087, 2692
- Liatris squarrosa* (L.) Michx. var. *alabamensis* (Alex.) Gaiser, Gayfeather (N; TLM, TUO) N 2014, 2051
- Mikania scandens* (L.) Willd., Climbing Hemp (N; RLM, RUM) N 221, 847, 937
- Oligoneuron nitidum* (T.&G.) Small, Flat-top Goldenrod (N; TUO) N 1049, 2380
- Packera obovata* (Muhl. ex Willd.) Weber & Cove, Golden Groundsel (N; TLW) N 2515
- Packera tampicana* (DC.) Jeffrey, Butterweed (N; RLM, TLW, TUO) N 72, 425, 1272, 2521
- Palafoxia rosea* (Bush) Cory var. *rosea*, Rose Palafoxia (N; TUM, TUO) N 709, 1796, 2089, 2229, 2414
- Palafoxia texana* DC. var. *ambigua* (Shinnars) B.C. Turner & Morris, Texas Palafoxia (N; TUO) N 2315
- Palafoxia texana* DC. var. *texana*, Texas Palafoxia (N; TUM) N 90
- Pluchea camphorata* (L.) DC., Camphor Marsh-fleabane (N; RLM, TLM) N 867, 954, 2205, 2332
- Pluchea foetida* (L.) DC., Stinking Marsh-fleabane (N; RUM) N 239

- Pluchea odorata* (L.) Cass., Purple Marsh-fleabane (N; RLM) N 291, 2331
- Pterocaulon virgatum* (L.) DC., Wand Blackroot (N; TUO) N 2317
- Pyrrhopappus carolinianus* (Walter) DC., Carolina False Dandelion (N; TUO) N 1556, 1904, 2634, 2652
- Pyrrhopappus pauciflorus* (D. Don.) DC., Manystem False Dandelion (N; TLM) N 2582
- Ratibida columnifera* (Nutt.) Woot. & Standl., Mexican-hat (N; TUO) N 2654
- Rudbeckia grandiflora* (D. Don.) J.F. Gmel ex DC. var. *alismifolia* (T.&G.) Cronq., Rough Coneflower (N; TUM) N 2691
- Rudbeckia grandiflora* (D. Don.) J.F. Gmel. ex DC. var. *grandiflora*, Rough Coneflower (N; TUM) N 180
- Rudbeckia hirta* L. var. *hirta*, Black-eyed Susan (N; TUO) N 27
- Rudbeckia hirta* L. var. *angustifolia* (T.V. Moore) Perdue, Black-eyed Susan (N; TUM) N 503
- Rudbeckia hirta* L. var. *pulcherrima* Farw., Black-eyed Susan (N; TUM, TUO) N 1756, 1859
- Rudbeckia maxima* Nutt., Great Coneflower (N; TUM, TUO) N 177, 564, 2010
- Senecio ampullaceus* Hook., Texas Groundsel (N; TLM, TLW, TUO) N 48, 1265, 1484, 2453
- Silphium gracile* A. Gray; Simpson Rosinweed (N; TLO, TUO) N 646, 1612, 2646
- Silphium radula* Nutt., Roughstem Rosinweed (N; TUM, TUO) N 1809, 2007
- Solidago canadensis* L. var. *gilvocanescens* Rydb., Common Goldenrod (N; TUO) N 1003
- Solidago canadensis* L. var. *scabra* T.&G. Common Goldenrod (N; TUM) N 1130
- Solidago gigantea* Aiton var. *serotina* (Aiton) Cronq., Giant Goldenrod (N; TLM) N 2448
- Solidago nemoralis* Aiton var. *nemoralis*, Oldfield Goldenrod (N; TUO) N 989, 1901
- Solidago radula* Nutt., Rough Goldenrod (N; TUO) N 1030, 2316
- Solidago rugosa* P. Mill, Wrinkled Goldenrod (N; TUO) N 1006
- Solidago salicina* Ell., Willowleaf Goldenrod (N; TUM, TUO) N 784, 1080, 2694 (*S. patula* Muhl. ex Willd. var. *strictula* Torr. & A. Gray)
- Solidago speciosa* Nutt. var. *rigidiuscula* T.&G., Noble Goldenrod (N; TUO) N 2379
- Solidago ulmifolia* Muhl. ex Willd., Elmleaf Goldenrod (N; TLM, TUO) N 2297, 2415
- Solidago ulmifolia* Muhl. ex Willd. var. *microphylla* A. Gray., Elmleaf Goldenrod (N; TUM, TUO) N 268, 784, 2233
- Soliva sessilis* Ruiz & Pavon, Burweed (I; TLW, TUO) N 449, 1575, 1740
- Soliva stolonifera* (Brot.) Loud., Burweed (I; TLW) N 1262
- Sonchus asper* (L.) Hill, Prickly Sowthistle (I; TUO) N 1613, 2496
- Taraxacum officinale* G.H. Weber ex Wiggers, Dandelion (I; TUO) N 2495
- Tetrameuris scaposa* (DC.) Greene, Bitterweed (N) Gonzales 15 (TAES)
- Verbesina encelioides* (Cav.) Benth. & Hook f. ex A. Gray, Cowpen Daisy (N; TUO) N 2367, 2389
- Verbesina virginica* L., Frostweed (N; RLM, RUM, TUW) N 1048, 2181, 2227, 2321
- Vernonia baldwinii* Torr., Baldwin Ironweed (N; RLM, RUM) N 292, 862, 2156
- Vernonia missurica* Raf., Missouri Ironweed (N) Jones & Jones 407 (TAES)
- Vernonia texana* (A. Gray) Small, Texas Ironweed (N; RUM, TLW, TUM, TUW) N 1913, 2088, 2228, 2246, 2428, 2656
- Xanthium strumarium* L., Cocklebur (N; RLM, RUM) N 163, 831, 2285

BERBERIDACEAE

- Nandina domestica* Thunb., Heavenly Bamboo (I; TUO) N 1623

BETULACEAE

- Betula nigra* L., River Birch (N; RUM) N 1591, 1730

BIGNONIACEAE

- Campsis radicans* (L.) Seem. ex Bureau, Trumpet-creeper (N; RLM, TLM, TUM) N 89, 671, 945
- Catalpa bignonioides* Walter, Southern Cigar-tree (N; TUM, TUO) N 1800, 2704

BORAGINACEAE

- Buglossoides arvensis* (L.) I.M. Johnst., Bugloss (I; TUO) N 363
- Heliotropium indicum* L., Turnsole (N; RLM, TLO, TLW) N 126, 865, 1893, 1923
- Heliotropium procumbens* Mill, Fourspike Heliotrope (I; RLM, TLM, TLO) N 883, 2188, 2659
- Lithospermum incisum* Lehm., Narrowleaf Puccoon (N; TUO) N 373, 1199, 2647
- Myosotis macrosperma* Engelm. var. *macrosperma*, Spring Forget-me-not (N; RUM, TLW) N 451, 1299, 1532

Myosotis verna Nutt., Early Scorpion-grass (N; TLW) N 1300

Onosmodium bejarensense DC. ex A.DC. var. *occidentale* (Mack.) B.L. Turner, Western Marbleseed (N; TUW) N 1416

BRASSICACEAE

Brassica rapa L., Turnip (I; TUO) N 1321

Capsella bursa-pastoris (L.) Medic, Shephard's Purse (I; TLM, TUO) N 347, 1228

Cardamine hirsuta L., Hairy Bittercress (N; TLM) N 1211

Cardamine parviflora L. var. *arenicola* (Britton) O.E. Schulz, Sand Bittercress (N; TLM, TUM) N 384, 1202, 1229

Draba brachycarpa Nutt. ex T.&G., Shortpod Draba (N; TLM) N 2469

Lepidium densiflorum Schrad., Prairie Pepperweed (N; TUO) N 1503

Lepidium virginicum L. var. *medium* (Greene) C.L. Hitchc., Virginia Pepperweed (N; TLM) N 1230

Lepidium virginicum L. var. *virginicum*, Virginia Pepperweed (N; TLM) N 51

Neobeckia aquatica (Eat.) Greene, Water Horse-radish (N; AEM) N 1402

Rapistrum rugosum (L.) All. (I; TUM, TUO) N 1323, 2492

Rorippa sessiliflora (Nutt.) A.S. Hitchc., Stalkless Yellowcress (N; RLM, TLW) N 444, 1348, 1827, 1929

BUDDLEJACEAE

Polypremum procumbens L., Juniperleaf (N; RLM, RUM, TUM, TUO) N 185, 884, 2037, 2145

CACTACEAE

Opuntia engelmannii Salm-Dyck. var. *linguiformis* (Griffiths) Parfitt & Pinkava, Cowtongue Prickly-pear (N; TLO) N 2416

Opuntia humifusa (Raf.) Raf. var. *humifusa*, Eastern Prickly-pear (N; TUM, TUO) N 1119, 1855

Opuntia macrorhiza Engelm. var. *macrorhiza*, Plains Prickly-pear (N; TUO) N 1698

CAESALPINIACEAE

Cercis canadensis L. var. *canadensis*, Eastern Red-bud (N; TLM, TLW, TUM) N 154, 368, 1529, 2522

Chamaechrista fasciculata (Michx.) Greene, Prairie Senna (N; TLM, TUO) N 44, 908, 1029, 1853, 2003

Gleditsia aquatica Marsh., Water Locust (N; RLM) N 2711

Gleditsia triacanthos L., Honey Locust (N; RLM, TLM, TLW, TUM, TUW) N 194, 584, 1139, 1282, 1949

Parkinsonia aculeata L., Retama (I; TUO) N 2632

Senna obtusifolia (L.) Irwin & Barneby, Sicklepod Senna (I; TLM, TUO) N 2293, 2405

Senna occidentalis (L.) Link, Coffee Senna (I; TUO) N 241, 2406

CALLITRICHACEAE

Callitriche heterophylla Pursh. (emend. Darby), Larger Water-starwort (N; AFL, RUM, TLW) N 437, 1257, 1356, 1552

Callitriche nuttallii Torr., Nuttall Water-starwort (N; RUM, TLW) N 446, 1267

Callitriche palustris L., Common Water-starwort (N; RLM, RUM, TLW) N 1553, 1937, 2539

Callitriche peploides Nutt., Mat Water-starwort (N; RLM, TLO) N 2476, 2540

CAMPANULACEAE

Lobelia appendiculata A. DC., Earflower Lobelia (N; TUO, TUW) N 658, 1620, 1652, 1722

Lobelia cardinalis L., Cardinal Flower (N; RLM) N 859

Lobelia puberula Michx. var. *pauciflora* Bush, Downy Lobelia (N; TLM) N 2296

Lobelia puberula Michx. var. *puberula*, Downy Lobelia (N; TUM) N 778

Triodanis perfoliata (L.) Nieuw. var. *biflora* (R. & P.) Bradley, Small Venus' Looking-glass (N; TLM, TUO) N 54, 518, 1487

Triodanis perfoliata (L.) Nieuw. var. *perfoliata*, Claspig Venus' Looking-glass (N; TLO, TUO) N 1426, 1536, 2566

CAPPARACEAE

Polanisia erosa (Nutt.) Iltis ssp. *erosa*, Large Clammyweed (N; TLO) N 2155

CAPRIFOLIACEAE

Lonicera japonica Thunb., Japanese Honeysuckle (I; TLM, TLW, TUM, TUO, TUW) N 36, 325, 1097, 1126, 1133, 1584

Lonicera sempervirens L., Scarlet Honeysuckle (N; TLM, TLW, TUM) N 135, 351, 1497, 2025

Sambucus nigra L. ssp. *canadensis* (L.) R. Bolli, Elderberry (N; RLM, TLW, TUM) N 78, 598, 858, 1596, 1647

Symphoricarpos orbiculatus Moench, Coralberry (N; TLM, TUM, TUW) N 43, 1122, 1138

Viburnum rufidulum Raf., Rusty Blackhaw Viburnum (N;TLM,TLW,TUW) N 149, 1578, 2072

CARYOPHYLLACEAE

Arenaria drummondii Shinnery, Drummond Sandwort (N;TUM,TUO) N 546, 1316, 1629 (*Minuartia drummondii* (Shinnery) McNeill)

Arenaria patula Michx., Sandwort (N;TLW) N 1273 (*Minuartia patula* (Michx.) Mattf.)

Arenaria patula Michx. var. *robusta* Steyerl., Sandwort (N;TLM) N 2577 (*Minuartia muscorum* (Fassett) Rabeler)

Arenaria serpyllifolia L., Thyme-leaved Sandwort (I;TLO,TUO) N 361, 1195, 1223

Cerastium brachypetalum Pers., Shortpetal Chickweed (I;TLM) N 2555

Cerastium brachypodium (Engelm. & A. Gray) Robins, Shortstalk Chickweed (N;TUO) N 365

Cerastium glomeratum Thuill., Mouse-ear (I;TUO) N 362, 1197

Loeflingia squarrosa Nutt., Spreading Loeflingia (N;TUM) N 1856

Paronychia lindheimeri Engelm. ex A. Gray, Lindheimer Nailwort (N;TLM) N 2421

Petrorhagia dubia (Raf.) G. Lopez & Romo, Childling Pink (I;TLO,TUM) N 1463, 1471

Sagina decumbens (Ell.) T.&G., Trailing Pearlwort (N;RUM,TLM) N 2470, 2734

Silene antirrhina L., Sleepy Catchfly (N;TLO,TUO) N 2571, 2640

Silene gallica L., Forked Catchfly (I;TUO) N 513, 1329, 1482

Stellaria media (L.) Vill., Chickweed (I;TUM,TUW) N 335, 2449

CHENOPODIACEAE

Chenopodium ambrosioides L., Epazote (I;RLM,RUM,TLM,TUO) N 869, 1709, 2157, 2199

Chenopodium berlandieri Moq., Pitseed Goosefoot (N;TUM) N 1121

Chenopodium standleyanum Aellen Standley Goosefoot (N;TUM) N 2371

CISTACEAE

Helianthemum georgianum Chapm., Georgia Sunrose (N;TUM,TUO) N 1872, 1958, 2621

Helianthemum rosmarinifolium Pursh., Rosemary Sunrose (N;TLO,TUO) N 1697, 1707, 2644

Lechea mucronata Raf., Hairy Pinweed (N;TUM,TUO) N 181, 700, 1843, 1959

Lechea san-sabeana (Buckl.) Hodg., San Saba Pinweed (N;TUO) N 706, 2620

Lechea tenuifolia Michx., Narrowleaf Pinweed (N;TUM,TUO) N 705, 1686, 1879, 2069

CLUSIACEAE

Hypericum drummondii (Grev. & Hook.) T.&G., Drummond St. John's Wort (N;TLM,TUM,TUO) N 259, 1079, 1107, 2225, 2292

Hypericum gymnanthum Engelm. & A. Gray, Claspig St. John's Wort (N;TLO) N 2688

Hypericum hypericoides (L.) Crantz. ssp. *hypericoides*, St. Andrew's Cross (N;RUM,TLO,TUM,TUO) N 276, 747, 938, 2224

Hypericum mutilum L., Dwarf St. John's Wort (N;TLM) N 2386

Triadenum walteri (Gmel.) Gl., Marsh St. John's Wort (N;RUM) N 2079

CONVOLVULACEAE

Dichondra carolinensis Michx., Ponyfoot (N;TLW,TUO) N 389, 1555

Evolvulus sericeus Sw., Silky Evolvulus (N;TUM,TUO) N 616, 757, 1500

Ipomoea cordatotriloba Dennst. var. *cordatotriloba*, Bindweed (N;TLO,TUO) N 280, 607, 955, 1824

Ipomoea lacunosa L., Pitted Morning-glory (N;RLM,RUM,TLM) N 851, 948, 2311, 2385

Ipomoea pandurata (L.) G.F.W.Mey, Bigroot Morning-glory (N;TLM,TUM) N 2074, 2689

Jacquemontia tamnifolia (L.) Griseb., Hairy Clustervine (I) *Taubenhaus* 2642 (TAES)

CORNACEAE

Cornus drummondii C.A.Mey, Roughleaf Dogwood (N;TLM,TLW) N 49, 632, 1643

Cornus florida L., Flowering Dogwood (N;TLW) N 1331, 2103

CRASSULACEAE

Crassula aquatica (L.) Schoenl., Water Pygmyweed (N;TLM,TLO,TLW) N 1427, 1549, 2478

CUCURBITACEAE

Cucumis melo L., Muskmelon (I;TLM) N 2384

Cucurbita pepo L. var. *texana* (Scheele) D.Decker, Texas Gourd (N;RLM) N 288, 813, 2147

Melothria pendula L., Melonette (N;RLM,RUM,TLM,TUW) N 160, 703, 933, 2023, 2291

CUSCUTACEAE

Cuscuta cuspidata Engelm., Cusp Dodder (N;PAR) N 1044, 2381

Cuscuta glomerata Choisy, Cluster Dodder (N;PAR) N 2201

Cuscuta obtusiflora Kunth. in H.B.K. var. *glandulosa* Engelm., Red Dodder (N; PAR) N 134, 2202

DROSERACEAE

Drosera brevifolia Pursh., Annual Sundew (N; TLO) N 2473, 2512

EBENACEAE

Diospyros virginiana L., Virginia Persimmon (N; TLM, TLO, TUO) N 140, 922, 1455, 1648

ELATINACEAE

Elatine brachysperma A. Gray, Shortleaf Waterwort (N; TLM, TLW) N 1288, 1428, 1551

ERICACEAE

Vaccinium arboreum Marsh., Farkleberry (N; TUM, TUW) N 100, 211, 557, 1074, 1128, 1705

EUPHORBIACEAE

Acalypha gracilens A. Gray, Slender Copperleaf (N; RUM, TLM, TUO) N 991, 2159, 2190

Acalypha monococca (Engelm. ex A. Gray) L. Mill & Gandhi, One-seed Copperleaf (N; TUM, TUO) N 265, 704, 788

Acalypha rhomboidea Raf., Rhomboid Copperleaf (N; RLM) N 840

Acalypha virginica L., Virginia Copperleaf (N; RUM, TLO) N 931, 2158, 2684

Cnidoscolus texanus (Muell.-Arg.) Small., Texas Bullnettle (N; TLM, TUW) N 550, 1674

Croton argyranthemus Michx., Silver Croton (N; TUM) N 2056

Croton capitatus Michx., Woolly Croton (N; RLM, TLO) N 800, 962

Croton capitatus Michx. var. *lindheimeri* (Engelm. & A. Gray) Muell.-Arg., Woolly Croton (N; TUO) N 281

Croton glandulosus L. var. *glandulosus*, Tropic Croton (N; RLM, RUM, TUO) N 745, 896, 2409, 2452

Croton glandulosus L. var. *lindheimeri* Muell.-Arg., Lindheimer Croton (N; TUO) N 2026

Croton glandulosus L. var. *septrionalis* Muell.-Arg., Northern Croton (N; TUM) N 210

Croton lindheimerianus Scheele var. *lindheimerianus*, Three-seed Croton (N; RLM) N 799

Croton monanthogynous Michx., One-seed Croton (N; TLO, TUM) N 927, 2171, 2283

Croton texensis (Klotzch.) Muell.-Arg., Texas Croton (N; TUO) N 1924

Croton michauxii G.L. Webster, Narrowleaf Croton (N; TUM, TUO) N 257, 708, 2057, 2304

Euphorbia bicolor Engelm. & A. Gray, Snow-on-the-prairie (N; TUO) N 787, 2288

Euphorbia corollata L., Flowering Spurge (N; TUO) N 2313

Euphorbia dentata Michx., Toothed Spurge (N; RLM, TLO, TUM, TUO) N 570, 936, 1948, 2128, 2217

Euphorbia maculata L., Spotted Spurge (N; RLM, TLO, TUO) N 204, 798, 952, 2129

Euphorbia nutans Lag., Eyebane (N; RLM, TLM, TLO, TUO) N 886, 1025, 1046, 2130, 2243

Euphorbia prostrata Aiton, Prostrate Spurge (N; TLO, TUM) N 754, 1821, 2284

Euphorbia serpens Kunth. in H.B.K., Mat Spurge (N; TLO) N 2374

Euphorbia spathulata Lam., Warty Euphorbia (N; TLM, TLO, TUO) N 1448, 1749, 2581

Euphorbia tetrapora Engelm., Weak Euphorbia (N; TLO) N 2514

Euphorbia texana Boiss., Texas Euphorbia (N; TLO, TUM, TUO) N 418, 1539, 1900

Phyllanthus abnormis Baill. var. *abnormis*, Drummond Leaf-flower (N; TUO) N 2407

Phyllanthus caroliniensis Walter ssp. *caroliniensis*, Carolina Leaf-flower (N; TLM, TUM) N 2408, 2685

Phyllanthus pudens L.C. Wheeler, Birdseed Leaf-flower (N; TLM, TLO) N 2189, 2373

Ricinus communis L., Castorbean (I; TUO) N 237

Sapium sebiferum (L.) Roxb., Chinese Tallowtree (I; RUM) N 143, 629, 1028, 1125

Stillingia sylvatica L., Queen's Delight (N; TLO, TUM, TUO) N 31, 1624, 1794

Tragia betonicifolia Nutt., Betony Noseburn (N; TLM, TUO) N 644, 690, 2053

Tragia brevispica Engelm. & A. Gray, Shortspike Noseburn (N; TLO, TUO, TUW) N 926, 1415, 2282, 2410

Tragia ramosa Torr., Catnip Noseburn (N; TUO) N 2700

Tragia urticifolia Michx., Nettleleaf Noseburn (N; TUM) N 2223

FABACEAE (*sensu stricto*)

Aeschynomene indica L., Joint Vetch (N) McLeod s.n. (SHST)

Amorpha fruticosa L., Indigobush (N; RLM) N 1398

Apios americana Medik., American Potato-bean (N; RUM) N 2084, 2680

- Astragalus distortus* T.&G. var. *engelmannii* (Sheld.) M.E. Jones, Bentpod Milkvetch (N; TUO) N 367, 1696
- Astragalus leptocarpus* T.&G., Slimpod Milkvetch (N; RUM) N 2733
- Baptisia alba* (L.) Vent. var. *macrophylla* (Larisey) Isley, White Wild Indigo (N; RLM, TLO) N 462, 1838
- Baptisia bracteata* Muhl. ex Ell. var. *glabrescens* (Larisey) Isley, Leafy Wild Indigo (N; TLM, TUM) N 136, 414
- Baptisia nuttalliana* Small, Nuttall Wild Indigo (N; TLO, TUO) N 572, 1478
- Baptisia sphaerocarpa* Nutt., Green Wild Indigo (N; TLO, TUM) N 527, 684
- Centrosema virginianum* (L.) Benth., Butterfly Pea (N; TUM, TUW) N 254, 691
- Clitoria mariana* L., Atlantic Butterfly Pea (N; TUW) N 1909, 2661
- Crotalaria sagittalis* L., Arrow Rattlepod (N; TLO, TUO, TUW) N 650, 694, 1967, 2687
- Dalea compacta* Spreng. var. *pubescens* (A. Gray) Barneby, Plains Prairie Clover (N; TUM) N 1867
- Dalea multiflora* (Nutt.) Shinnars, Roundhead Prairie Clover (N; TUM, TUO) N 131, 2050
- Dalea phleoides* (T.&G.) Shinnars var. *microphylla* (T.&G.) Barneby, Longbract Prairie Clover (N; TUM) N 250
- Dalea purpurea* Vent. var. *purpurea*, Purple Prairie Clover (N) McLeod s.n. (TAES)
- Dalea villosa* (Nutt.) Spreng. var. *grisea* (T.&G.) Shinnars, Oklahoma Prairie Clover (N; TUO) N 2635
- Desmodium canescens* (L.) DC., Hoary Tick-clover (N; TUM, TUW) N 666, 2660
- Desmodium ciliare* (Muhl. ex Willd.) DC., Littleleaf Tick-clover (N; TLW, TUM, TUO) N 997, 2327, 2432
- Desmodium glabellum* (Michx.) DC., Tick-clover (N; TLW) N 2403
- Desmodium paniculatum* (L.) DC. var. *paniculatum*, Panicked Tick-clover (N; TLO, TLW) N 959, 2402
- Desmodium sessilifolium* (Torr.) T.&G., Sessileleaf Tick-clover (N; RUM, TUM, TUW) N 209, 594, 2022
- Desmodium viridiflorum* (L.) DC., Velvetleaf Tick-clover (N; TLW) N 2401
- Erythrina herbacea* L., Coralbean (N; TLW, TUM, TUW) N 530, 1672, 1713
- Galactia regularis* (L.) B.S.P., Downy Milkpea (N; TUM, TUO) N 643, 2648, 2686
- Glottidium vesicarium* (Jacq.) Harper, Bagpod Sesbania (N; RUM, TUO) N 278, 921, 1068, 2320
- Lathyrus hirsutus* L., Singletary Pea (I; TUO) N 21, 1607, 2570
- Lathyrus pusillus* Ell., Low Pea (N; TLO, TUO) N 1509, 2557
- Lespedeza cuneata* (Dumont) G. Don., Sericea Bushclover (I; TUO) N 1632
- Lespedeza hirta* (L.) Hornem., Hairy Bushclover (N; TLM, TUM) N 2245, 2676
- Lespedeza repens* (L.) W. Bart., Creeping Bushclover (N; RUM, TUO) N 680, 1088
- Lespedeza striata* (Thunb.) Hook & Arn., Japanese Bushclover (I; TLM, TUO) N 730, 2307
- Lespedeza stuevei* Nutt., Stueve Bushclover (N; TLM, TUM, TUO) N 777, 998, 2052, 2250
- Lespedeza virginica* (L.) Britton, Slender Bushclover (N; TUM, TUO) N 779, 1081, 2249
- Lotus unifolius* (Hook.) Benth. var. *unifolius*, Pursh Deervetch (N; TLO) N 626, 2638
- Lupinus subcarnosus* Hook., Texas Bluebonnet (N; TLO, TUM) N 406, 1312
- Lupinus texensis* Hook., Texas Bluebonnet (N; TUO) N 1752
- Medicago arabica* (L.) Huds., Spotted Medic (I; TLM) N 1236
- Medicago lupulina* L., Black Medic (I; TLO) N 353
- Medicago orbicularis* (L.) Bartal., Button Clover (I; TLO) N 354, 605
- Medicago polymorpha* L., Medic (I; RUM, TLO) N 1822, 2505
- Medicago sativa* L., Alfalfa (I; TUO) N 1650
- Melilotus indicus* (L.) All., Yellow Sweetclover (I; TLO, TUO) N 1680, 1823
- Melilotus officinalis* (L.) Lam., Yellow Sweetclover (I) Fowler 129 (SHST)
- Orbexilum pedunculatum* (Mill) Rydb. var. *pedunculatum*, Sampson's Snakeroot (N; TLW) N 1739
- Orbexilum simplex* (Nutt. ex T.&G.) Rydb., Singlestem Snakeroot (N; TUM, TUO) N 1808, 2006
- Pediomelum hypogaeum* (Nutt. ex T.&G.) Rydb. var. *subulatum* (Bush) Grimes, Edible Scurfpea (N; TUM) N 552, 2732
- Pediomelum rhombifolium* (T. & G.) Rydb., Roundleaf Scurfpea (N; TLO, TUM, TUO) N 1868, 1933, 2608

Psoralidium tenuiflorum (Pursh.) Rydb., Slimleaf Scurfpea (N) Clark 415 (TAES)
Pueraria lobata (Willd.) Ohwi, Kudzu (I; TUW) N 1420
Rhynchosia latifolia Nutt. ex T.&G., Broadleaf Snoutbean (N; RUM, TUM, TUO, TUW) N 593, 2049, 2083, 2622
Robinia hispida L., Bristly Locust (I; TUM) N 2150
Robinia pseudo-acacia L., Black Locust (N; TUM, TUO) N 1242, 1619
Sesbania drummondii (Rydb.) Cory, Rattlebush (N; RLM, RUM) N 977, 2165
Sesbania herbacea (P. Mill) McVaugh, Bequilla (N; RLM, RUM, TLO) N 974, 1038, 2319
Sophora affinis T.&G., Eve's Necklace (N; RLM, TLM, TUO) N 580, 882, 1469, 1902, 2589
Strophostyles helvula (L.) Ell., Trailing Wildbean (N; RLM, RUM, TUM) N 95, 683, 878, 2325
Strophostyles leiosperma (T.&G.) Piper, Slickseed Wildbean (N; TLO, TUO) N 699, 2008, 2639
Stylosanthes biflora (L.) B.S.P., Pencilflower (N; TUO) N 205, 1685, 1711
Tephrosia onobrychoides Nutt., Multibloom Hoary Pea (N; TUM) N 79, 2048
Tephrosia virginiana (L.) Pers., Virginia Hoary Pea (N; TLW) N 2450
Trifolium campestre Schreb. in Sturm., Low Hop Clover (I; TLO, TUO) N 1538, 1805, 2594, 2615
Trifolium carolinianum Michx., Carolina Clover (N; TLW, TUO, TUM) N 431, 1274, 1541, 2546
Trifolium incarnatum L., Crimson Clover (I; TUO) N 519
Trifolium polymorphum Poir., Peanut Clover (N; TLW, TUW) N 1413, 2551
Trifolium resupinatum L., Persian Clover (I; TLO, TUO) N 2556, 2601
Trifolium vesiculosum Savi., Clover (I; TUO) N 1681, 1758
Vicia ludoviciana Nutt. ssp. *ludoviciana*, Louisiana Vetch (N; TLM, TLW, TUM) N 420, 1266, 2575
Vicia lutea L., Yellow Vetch (I; TUO) N 1458, 2618, 2630
Vicia minutiflora Dietr., Small-flowered Vetch (N; RUM, TLM, TLW) N 397, 1226, 1258
Vicia sativa L. ssp. *nigra* (L.) Ehrh., Narrow-leaved Vetch (I; RUM, TLO) N 1193, 2506
Vicia villosa Roth, Hairy Vetch (I; TUO) N 1220
Vicia villosa Roth. var. *glabrescens* Kuch., Hairy Vetch (I; TUO) N 380

Vicia villosa Roth. ssp. *varia* (Host.) Corb., Hairy Vetch (I; TUO) N 1679
Vigna unguiculata (L.) Walp., Black-eyed Pea (I; TLO) N 2203
Wisteria sinensis (Sims) Sweet, Chinese Wisteria (I; TUW) N 735

FAGACEAE

Quercus falcata Michx., Southern Red Oak (N; TLO, TUM, TUW) N 77, 1424, 1738, 1788, 1908
Quercus lyrata Walter, Overcup Oak (N; RLM, TLM) N 287, 855, 426, 1644, 1898, 2209
Quercus macrocarpa Michx., Bur Oak (N; TLM, TLO) N 201, 2585
Quercus marilandica Muench., Blackjack Oak (N; TUO, TUW) N 1494, 1691, 2096, 2139
Quercus nigra L., Water Oak (N; TLW, TUM, TUO) N 270, 1219, 1999
Quercus phellos L., Willow Oak (N; RLM, TLW) N 421, 1450
Quercus shumardii Buckl., Shumard Oak (N; RUM) N 2097
Quercus stellata Wang. var. *margaretta* (Ashe) Sarg., Sand Post Oak (N; TUM) N 1787, 1841
Quercus stellata Wang. var. *paludosa* Sarg., Bottomland Post Oak (N; TLW, TUW) N 1086, 2131
Quercus stellata Wang. var. *stellata*, Post Oak (N; TUM) N 173, 2376
Quercus virginiana Mill, Live Oak (N; TUO) N 1812

FUMARIACEAE

Corydalis micrantha (Engelm.) A. Gray var. *australis* (Chapm.) Shinners, Southern Scrambled Eggs (N; TLW, TUM, TUO) N 385, 1201, 1278

GENTIANACEAE

Sabatia campestris Nutt., Prairie Rose-gentian (N; TUO) N 28, 612, 1714

GERANIACEAE

Geranium carolinianum L., Carolina Crane's-bill (N; TLO, TUO) N 458, 1408, 2645
Geranium dissectum L., Crane's-bill (I; TLO) N 1446

HALORAGACEAE

Myriophyllum heterophyllum Michx., Changeleaf Parrot's Feather (N; AFL, ASU) N 1550, 1936, 2001, 2526
Myriophyllum pinnatum (Walter) B.S.P., Green Parrot's Feather (N; AFL, ASU) N 410, 1431, 1896, 2573

HAMAMELIDACEAE

Liquidambar styraciflua L., Sweet Gum (N; TLW)
N 669, 2524

HIPPOCASTANACEAE

Aesculus pavia L. var. *pavia*, Red Buckeye (N; TLM)
N 1310

HYDROPHYLLACEAE

Hydrolea ovata Nutt. ex Choisy., Hairy Hydrolea
(N; AEM, RLM, RUM) N 187, 686, 803, 1101

Nemophila aphylla (L.) Brumm, Smallflower Nemophila (N; TUW) N 1245

Phacelia glabra Nutt., Smooth Phacelia (N; TLM)
N 1227

Phacelia hirsuta Nutt., Hairy Phacelia (N; TLO) N
2550

Phacelia patuliflora (Engelm. & A. Gray) A. Gray,
Sand Phacelia (N; TLW) N 1661

JUGLANDACEAE

Carya alba (Mill) K.Koch., Mockernut Hickory (N;
TLW, TUO) N 2095, 2627

Carya aquatica (Michx.f.) Nutt., Water Hickory (N;
RLM, RUM) N 219, 856, 1012, 1886

Carya illinoensis (Wang.) K.Koch., Pecan (N; TLM,
TLO) N 200, 902

Carya texana Buckl., Black Hickory (N; RLM, TUM,
TUO) N 174, 218, 785, 1615

Juglans nigra L., Black Walnut (N; TLO, TLW) N
1583, 2094

KRAMERIACEAE

Krameria lanceolata Torr., Rattany-vine (N; TUM,
TUO) N 710, 1860

LAMIACEAE

Hedeoma hispida Pursh., Rough Mock Pennyroyal (N; TLO, TUO) N 1502, 1653, 1688, 2597

Lamium amplexicaule L., Henbit (N; TLO, TUO) N
346, 1194

Lycopus rubellus Moench, Arkansas Bugleweed
(N; RLM) N 844

Monarda citriodora Cerv. ex Lang. ssp. *citriodora*,
Lemon Beebalm (N; TLO, TUO) N 622, 1817,
2020

Monarda clinopodioides A.Gray, Basil Beebalm (N;
TUO) N 2602

Monarda fistulosa L., Wild Bergamot (N; TLM, TLO,
TUM) N 138, 647, 2067, 2287

Monarda lindheimeri Engelm. & A. Gray ex A. Gray,
Lindheimer Bergamot (N; TUM, TUO) N 76,
1732

Monarda punctata L. var. *intermedia* (McCl. & Epl.)
Waterfall, Spotted Beebalm (N; TLO) N 37

Monarda punctata L. var. *lasiodonta* A. Gray, Spotted
Beebalm (N; TLW, TUM, TUO) N 1864, 1930,
1960

Perilla frutescens (L.) Britton, Beefsteak Plant (I;
RLM) N 2334

Physostegia angustifolia Fern., Obedient-plant (N;
RLM) N 1828

Physostegia intermedia (Nutt.) Engelm. & A. Gray,
Intermediate Obedient-plant (N; TLM, TLO)
N 1743, 1881, 2580

Physostegia pulchella Lundell, Obedient-plant (N;
TLM, TLO, TUM, TUO) N 41, 1436, 1638, 2559

Prunella vulgaris L. var. *vulgaris*, Self-heal (I; TLW,
TUM) N 501, 1518

Prunella vulgaris L. var. *hispida* Benth. Self-heal (I;
TUM) N 87

Salvia azurea Lam., Blue Sage (N; TUM, TUO) N
330, 2248, 2418

Salvia coccinea P.J. Buchoz ex Etlinger, Tropical
Scarlet Sage (N; TLW, TUM) N 678, 767

Salvia lyrata L., Lyreleaf Sage (N; TLW, TUM) N 106,
509, 1254

Scutellaria cardiophylla Engelm. & A. Gray,
Heartleaf Skullcap (N; RUM, TLM) N 153, 679

Scutellaria drummondii Benth., Drummond Skullcap
(N; TLW) N 1512

Scutellaria ovata Hill, Tuber Skullcap (N; TUW) N
1911

Scutellaria parvula Michx. var. *leonardii* (Epl.) Fern.,
Skullcap (N; TLO, TUW) N 1430, 2596

Scutellaria parvula Michx. var. *parvula*, Skullcap (N;
TUM) N 1961

Stachys crenata Raf., Shade Betony (N; TLM) N 2528

Stachys tenuifolia Willd., Slenderleaf Betony (N;
RLM) N 165

Teucrium canadense L. var. *canadense*, German-
der (N; TLW, TUO) N 640, 1943

Trichostema dichotomum L., Forked Bluecurls (N;
TLM, TUM) N 2253, 2289

LAURACEAE

Sassafras albidum (Nutt.) Nees., Sassafras (N; TLW,
TUM, TUW) N 171, 403, 1419

LENTIBULARIACEAE

Utricularia gibba L., Cone-spur Bladderwort (N;
AFL) N 2491

Utricularia radiata Small, Whorled Bladderwort
(N; AFL) N 1969

LINACEAE

Linum medium (Planch.) Britton var. *texanum* (Planch.) Fern, Texas Flax (N; RUM, TLO, TUO) N 600, 1744, 2040, 2603

LYTHRACEAE

Ammannia x coccinea Rottb., Purple Toothcup (N; RLM, RUM, TLM) N 876, 894, 2161, 2193

Cuphea carthagenensis (Jacq.) J.F. Machr., (N; TUM) N 2682

Cuphea glutinosa Chapm. & Schlecht., (I; TUM, TUO) N 2633, 2681

Didiplis diandra (Nutt. ex DC.) Wood., Water-purslane (N; ASU) N 1970

Lagerstroemia indica L., Crepe Myrtle (I; TLM) N 631

Lythrum alatum Pursh. var. *lanceolatum* (Ell.) T.&G., Lanceleaf Loosestrife (N; TLO, TUM, TUO) N 183, 2110, 2690

Rotala ramosior (L.) Koehne, Tooth-cup (N; TUM) N 2677

MALVACEAE

Callirhoe involucrata (Torr.) A. Gray. var. *involucrata*, Low Wine-cup (N; TLO) N 32

Callirhoe involucrata (T.&G.) A. Gray var. *lineariloba* (T.&G.) A. Gray, Low Wine-cup (N; TUO) N 382, 1495

Callirhoe papaver (Cav.) A. Gray, Woods Wine-cup (N; TUM, TUO) N 1719, 1792

Hibiscus laevis All., Halberd-leaved Hibiscus (N; RUM, TLO) N 190, 192

Hibiscus moscheutos L. ssp. *lasiocarpus* (Cav.) O.J. Blanchard, Swamp Rosemallow (N; RLM, TLO) N 191, 899, 1916

Hibiscus syriacus L., Rose-of-Sharon (I; TLW) N 674

Malvaviscus arboreus Dill ex Cav. var. *drummondii* (T.&G.) Schery, Drummond Turk's-cap (N; RLM, TUM, TUO, TUW) N 750, 1905, 2120, 2318

Modiola caroliniana (L.) G. Don., Carolina Modiola (N; TLO, TUO) N 169, 1407, 1818

Sida rhombifolia L., Arrowleaf Sida (N; TUM) N 2085

Sida spinosa L., Prickly Sida (N; RLM, TLO, TUM) N 822, 897, 2264

MELASTOMATACEAE

Rhexia mariana L. var. *mariana*, Meadow Beauty (N; RUM) N 261

MELIACEAE

Melia azedarach L., Chinaberry (I; RUM, TUM) N 99, 681, 1595

MENISPERMACEAE

Cocculus carolinus (L.) DC., Carolina Snailseed (N; RLM, TLM, TUO) N 151, 728, 935, 2024

MIMOSACEAE

Acacia farnesiana (L.) Willd., Huisache (N; TUO) N 1397, 2137

Albizia julibrissin Durazz., Mimosa (I; RUM, TLW) N 161, 628

Desmanthus illinoensis (Michx.) MacM. ex Robins & Fern., Illinois Bundleflower (N; RUM, TLO, TUO) N 162, 620, 1834, 2111, 2623

Mimosa nuttallii (DC.) B.L. Turner, Catclaw Sensitive-briar (N; TLO, TUM) N 1462, 2106

Mimosa strigillosa T. & G., Herbaceous Mimosa (N; RLM, TLO) N 114, 957

Neptunia lutea (Leavenw.) Benth., Yellow Neptunia (N; TUM, TUO) N 109, 613, 1692

Neptunia pubescens Benth. var. *pubescens*, Prairie Neptunia (N; RLM, TUO) N 909, 1833

Prosopis glandulosa Torr. var. *glandulosa*, Honey Mesquite (N; TLO, TUM, TUO) N 93, 524, 762, 1877

MOLLUGINACEAE

Glinus radiatus (R. & P.) Rohrb., (I; RLM, TLW) N 1935, 2143

Mollugo verticillata L., Green Carpetweed (I; RLM, TLM, TUM, TUO) N 260, 693, 892, 1862, 2197

MORACEAE

Ficus carica L., Fig (I; TLM) N 1400

Maclura pomifera (Raf.) Schneid., Bois D'Arc (N; TLW, TUM) N 263, 1656

Morus rubra L., Red Mulberry (N; TLW, TUW) N 86, 442, 1640, 2093

MYRICACEAE

Myrica cerifera L., Southern Wax-myrtle (N; RUM, TUM) N 419, 591, 1085, 1782

NELUMBONACEAE

Nelumbo lutea (Willd.) Pers., Yellow Lotus (N; AEM) N 2146

NYCTAGINACEAE

Mirabilis albida (Walter) Heimerl., White Four-O'Clock (N; TLM, TUM, TUO) N 46, 273, 994, 1947

Mirabilis jalapa L., Four-O'Clock (I; TLM) N 144

Mirabilis linearis (Pursh.) Heimerl., Linearleaf Four-O'Clock (N; TUM) N 2169

Mirabilis nyctaginea (Michx.) MacM., Wild Four-O'Clock (N; TUM) N 533, 1704

NYMPHAEACEAE

- Nuphar lutea* (L.) Sm. ssp. *advena* Kartesz & Gandhi, Spatterdock (N; AFL) N 1829, 2148
Nymphaea odorata Aiton ssp. *odorata*, American Waterlily (N; AEM) N 721

NYSSACEAE

- Nyssa sylvatica* Marsh. var. *sylvatica*, Black Tupelo (N; RLM, RUM) N 1405, 2099, 2399

OLEACEAE

- Forestiera acuminata* (Michx.) Poir., Swamp Privet (N; RLM, RUM) N 400, 447, 2547
Forestiera ligustrina (Michx.) Poir., Privet *Forestiera* (N; RLM, RUM, TLW, TUW) N 289, 743, 1052, 1131, 2047, 2102
Fraxinus americana L., White Ash (N; TLM, TLW, TUW) N 376, 377, 2101, 2211
Fraxinus pennsylvanica Marsh., Red Ash (N; RLM, TUM) N 234, 435, 2588
Ligustrum lucidum Aiton f., Wax-leaf *Ligustrum* (I; TLW) N 673
Ligustrum sinense Lour., Chinese Privet (I; TLM, TUM, TUO, TUW) N 40, 336, 756, 1129, 1621

ONAGRACEAE

- Calylophus berlandieri* Spach. ssp. *pinifolius* (A. Gray) Towner, Sundrops (N) Clark 474 (TAES)
Calylophus serrulatus (Nutt.) Raven, Yellow Sundrops (N; TUM) N 452
Gaura brachycarpa Small, Plains Gaura (N; TLO, TUO) N 523, 1477, 2626
Gaura longiflora Spach., Kearny Gaura (N; TLO, TUO) N 267, 2125, 2265
Gaura sinuata Nutt. ex Ser., Wavyleaf Gaura (N; TLM) N 562
Gaura suffulta Engelm. ex A. Gray ssp. *suffulta*, Roadside Gaura (N; TUM) N 1878
Ludwigia alternifolia L., Bushy Seedbox (N; RUM, TLM, TUO, TUW) N 661, 734, 2009, 2043
Ludwigia decurrens Walter, Primrose-willow (N; AEM, RLM, RUM) N 841, 972, 2163
Ludwigia glandulosa Walter ssp. *brachycarpa* (T.&G.) Peng., Torrey Seedbox (N; RUM) N 2039
Ludwigia glandulosa Walter ssp. *glandulosa*, Torrey Seedbox (N; RLM, TLO) N 193, 1883
Ludwigia palustris (L.) Ell., American Seedbox (N; RLM, RUM, TLO) N 1554, 1747, 1987, 2038
Ludwigia peploides (Kunth. in H.B.K.) Raven, Smooth Water-primrose (N; AEM, RUM) N 212, 1717, 2164, 2595

- Oenothera heterophylla* Spach. ssp. *heterophylla*, Varileaf Evening Primrose (N; TLM, TLO, TUO) N 30, 1968, 2191

- Oenothera laciniata* Hill, Cutleaf Evening Primrose (N; TLO, TUM, TUO, TUW) N 393, 1417, 1816, 1863

- Oenothera linifolia* Nutt., Threadleaf Sundrops (N; TUM, TUO) N 1521, 1718, 2735

- Oenothera spachiana* T.&G., Spach Evening Primrose (N; TUO) N 2610

- Oenothera speciosa* Nutt., Showy Evening Primrose (N; TLO, TUO) N 457, 1480

OROBANCHACEAE

- Orobanche multiflora* Nutt., Largeflower Broomrape (N; PAR) N 520, 1649

OXALIDACEAE

- Oxalis corniculata* L., Creeping Woodsorrel (I; TLW) N 1251
Oxalis dillenii Jacq., Dillen Woodsorrel (N; TLM) N 164
Oxalis rubra St.-Hil., Pink Shamrock (I; TLM) N 1243
Oxalis stricta L., Yellow Woodsorrel (N; TUM, TUO) N 534, 1022
Oxalis violacea L., Violet Woodsorrel (N; TLM, TUM) N 1516, 2290

PAPAVERACEAE

- Argemone albiflora* Hornem. ssp. *texana* G. Ownbey, White Prickly Poppy (N; TUM) N 1858
Argemone polyanthemos (Fedde.) G. Ownbey, White Prickly Poppy (N; TLO) N 563

PASSIFLORACEAE

- Passiflora incarnata* L., Maypop (N; TLO, TUO) N 29, 662, 2114
Passiflora lutea L., Yellow Passionflower (N; TLW, TUO, TUW) N 272, 725, 1676, 2419

PHYTOLACCACEAE

- Phytolacca americana* L., Pokeweed (N; RUM, TUO, TUW) N 145, 729, 1659
Rivina humilis L., Rougeplant (N; TUM) N 2144

PLANTAGINACEAE

- Plantago aristata* Michx., Bottlebrush Plantain (N; TLO, TUO) N 35, 1609, 1693
Plantago heterophylla Nutt., Simplespike Plantain (N; TUO) N 1517
Plantago hookeriana Fisch. & C.A. Mey., Hooker Plantain (N; TLW) N 1334

Plantago patagonica Jacq., Bristlebract Plantain (N;TUM) N 561

Plantago rhodosperma Dcne., Redseed Plantain (N;TLM) N 2529

Plantago virginica L., Paleseed Plantain (N;TLM, TUM) N 45, 441, 538

Plantago wrightiana Dcne., Wright Plantain (N; TUO, TUW) N 649, 2617

PLATANACEAE

Platanus occidentalis L., American Sycamore (N; RUM, TLW) N 893, 1586

POLEMONIACEAE

Ipomopsis rubra (L.) Wherry, Standing Cypress (N; TUO) N 186

Phlox cuspidata Scheele var. *cuspidata*, Pointed Phlox (N;TUO) N 344, 348, 1499

Phlox drummondii Hook. var. *peregrina* Shinnery, Drummond Phlox (N;TUO) N 158, 2560

Phlox pilosa L., Downy Phlox (N;TUM) N 1492

POLYGALACEAE

Polygala incarnata L., Pink Milkwort (N;TLO) N 573

Polygala polygama Walter, Bitter Milkwort (N;TLO, TUO) N 1716, 1737, 2607, 2655

Polygala verticillata L., Whorled Milkwort (N;TUO) N 732

POLYGONACEAE

Brunnichia ovata (Walter) Shinnery, Buckwheat Vine (N;RLM, TLO) N 116, 223, 956, 2127

Eriogonum longifolium Nutt., Longleaf Wild Buckwheat (N;TUM) N 2220, 2272

Polygonum hydropiperoides Michx., Swamp Smartweed (N;RLM, RUM, TLO, TUO) N 692, 968, 1611, 1851

Polygonum lapathifolium L., Curltop Smartweed (N;TLO, TLW) N 1922, 2200

Polygonum pennsylvanicum L., Pennsylvania Smartweed (N;RLM, TLO) N 295, 969, 2336

Polygonum persicaria L., Lady's Thumb (I;RLM) N 821

Polygonum punctatum Ell., Water Smartweed (N; RLM, TLO) N 296, 843, 2335

Polygonum ramosissimum Michx., Bushy Knotweed (N;RLM) N 2333

Polygonum setaceum Baldw., Smartweed (N; AEM) N 189

Rumex chrysocarpus Moris, Pale Dock (N;TUO) N 1772, 2268

Rumex crispus L., Curly Dock (I;TLO) N 1241, 1897

Rumex hastatulus Baldw., Heart Sorrel (N;TUM, TUO) N 24, 537, 1472

Rumex pulcher L., Fiddle Dock (I;TLM, TLO, TUO) N 68, 578, 1566

Rumex verticillatus L., Swamp Dock (N;RLM) N 113

PORTULACACEAE

Claytonia virginica L., Spring Beauty (N;TUO) N 343, 1198

Portulaca oleracea L., Common Purslane (I;TLO) N 951

Portulaca pilosa L., Chisme (N;TUO) N 2179, 2309

Portulaca umbraticola H.B.K., Wingpod Portulaca (N;TUM, TUO) N 2222, 2240

Talinum parviflorum Nutt., Prairie Flameflower (N; TUO) N 711

PRIMULACEAE

Anagallis arvensis L., Scarlet Pimpernel (I;TUO) N 22

Centunculus minimus L., Chaffweed (I;TLM, TLO, TLW, TUM) N 1261, 1328, 1548, 1755, 2477 (*Anagallis minima* (L.) E.H.L. Krause)

Samolus valerandi L. ssp. *parviflorus* (Raf.) Hultén, Thinleaf Brookweed (N;TLW) N 1921

RANUNCULACEAE

Anemone berlandieri Pritzl, Tenpetal Anemone (N;TUO) N 357, 2501

Anemone caroliniana Walter, Carolina Anemone (N;TLW, TUO) N 390, 392, 2500

Clematis pitcheri T.&G. var. *pitcheri*, Pitcher Clematis (N;RLM, TUM) N 585, 802, 932, 2118

Clematis reticulata Walter, Netleaf Clematis (N; RLM, TUM) N 1885, 2140

Delphinium carolinianum Walter ssp. *vimineum* (D.Don) Warnock, Carolina Larkspur (N;TLO, TUO) N 38, 510, 1210

Delphinium carolinianum Walter ssp. *virescens* (Nutt.) R.E. Brooks, Plains Larkspur (N) Clark 362 (TAES)

Myosurus minimus L., Tiny Mousetail (N;RLM, TUO) N 405, 2532

Ranunculus fascicularis Muhl. ex Bigel., Tufted Buttercup (N;TLO, TLW) N 391, 1931, 2513

Ranunculus hispidus Michx. var. *nitidus* (Chapm.) T. Duncan, Bristly Buttercup (N;TLW) N 1250

Ranunculus laxicaulis (T.&G.) Darby, Small Buttercup (N;TLW) N 1249, 1475

Ranunculus muricatus L., Roughseed Buttercup (I; RUM) N 2502

Ranunculus parviflorus L., Sticktight Buttercup (I; RLM, TLM, TLW, TUM, TUO) N 411, 1421, 1545, 1831, 2487

Ranunculus pusillus Poir., Weak Buttercup (N; RLM, RUM, TUM, TUO) N 412, 540, 1531, 2533

Ranunculus sardous Crantz., Buttercup (I; RUM, TLM, TUO) N 65, 345, 395

Ranunculus sceleratus L., Blister Buttercup (N; RUM) N 1984

Thalictrum dasycarpum Fisch. & Ave.-Lall., Purple Meadow-rue (N) Cory 54579 (LL)

RHAMNACEAE

Berchemia scandens (Hill) K.Koch., Rattanvine (N; TLM, TLW, TUM, TUW) N 42, 667, 1064, 1537

Rhamnus caroliniana Walter, Carolina Buckthorn (N; TLW) N 2070, 2136, 2738

ROSACEAE

Crataegus marshallii Eggl., Parsley Hawthorn (N; TLW, TUM) N 264, 1140, 1324, 1522, 2454

Crataegus spathulata Michx., Littlehip Hawthorn (N; TLW) N 1297

Crataegus viridis L., Green Hawthorn (N; RLM, TLW, TUO) N 402, 427, 895, 1296, 2537

Geum canadense Jacq. var. *camporum* (Rydb.) Fern, White Avens (N; RUM, TUW) N 50, 1411

Geum canadense Jacq. var. *texanum* Fernald & Weath., White Avens (N; TLW) N 1559

Prunus angustifolia Marsh, Chickasaw Plum (N; TUM) N 386

Prunus caroliniana (P.Mill) Aiton, Cherry-laurel (N; RLM) N 1196, 2342

Prunus gracilis Engelm. & A. Gray, Oklahoma Plum (N; TUO, TUW) N 398, 1200

Prunus mexicana S.Wats., Mexican Plum (N; TLW, TUM, TUO, TUW) N 358, 375, 1504, 2015, 2274

Prunus persica (L.) Batsch., Peach (I; TUM) N 751

Prunus serotina Ehrh. var. *serotina*, Black Cherry (N; TLW, TUM) N 1464, 2104

Pyracantha coccinea M.J.Roem., Scarlet Firethorn (I; TUM, TUO) N 752, 1120

Pyrus calleryana Decne., Callery Pear (I; TUM) N 758, 759, 760

Pyrus communis L., Common Pear (I; TUM) N 2493

Rosa carolina L., Carolina Rose (N; TUM) N 2151

Rosa multiflora Thunb. ex Murr., Japanese Rose (I; TUO) N 1467, 1636

Rubus aboriginum Rydb., Blackberry (N; TLW, TUO) N 1761, 1814

Rubus argutus Link., Blackberry (N; RUM) N 2737

Rubus flagellaris Willd., Northern Blackberry (N; TLM, TLW) N 1260, 2604

Rubus trivialis Michx., Dewberry (N; TUO) N 350, 1214

Spiraea prunifolia Siebold. & Zucc., Bridal-wreath Spiraea (I; TLM) N 1938

RUBIACEAE

Cephalanthus occidentalis L., Buttonbush (N; AEM, RLM, RUM) N 159, 592, 871, 1041, 1626

Diodia teres Walter, Rough Buttonweed (N; TUM, TUO) N 202, 253, 712, 770, 1869, 2260

Diodia virginiana L., Virginia Buttonweed (N; RLM, RUM, TLM, TLO) N 611, 689, 872, 2194

Galium aparine L., Velcro Plant (N; RUM, TLM, TLO) N 464, 1576, 2508

Galium circaezans Michx., Woods Bedstraw (N; TUW) N 1445, 2662

Galium obtusum Bigel., Bluntleaf Bedstraw (N; RUM) N 1973

Galium pilosum Aiton, Hairy Bedstraw (N; TLW, TUM, TUO) N 664, 707, 1508, 1754, 2021, 2135, 2553

Galium tinctorium (L.) Scop., Dye Bedstraw (I; TLM, TLW, TUM, TUO) N 417, 545, 1264, 1533, 2527, 2554

Galium virgatum Nutt., Southwest Bedstraw (N; TUO) N 1683

Hedyotis nigricans (Lam.) Fosb., Prairie Bluets (N; TUO) N 717

Houstonia micrantha (Shinners) Terrell, White Bluets (N; TLM, TUO) N 1231, 2471, 2498

Houstonia pusilla Schopf., Small Bluets (N; TLW, TUO) N 1221, 1277

Houstonia rosea (Raf.) Terrell, Rose Bluets (N; TLM) N 338, 2472

Mitchella repens L., Partridge-berry (N; TLW) N 1753, 2078

Oldenlandia boscii (DC.) Chapm. (N; RLM, RUM) N 1974, 2036, 2338

Oldenlandia uniflora L. (N; RLM) N 2339

Sherardia arvensis L., Field-madder (I; TLM, TUO) N 333, 1224

Spermacoce glabra Michx., Smooth Buttonweed (N; RLM, RUM, TLO) N 195, 283, 1917, 2340

RUTACEAE

Poncirus trifoliolata (L.) Raf., Bitter Orange (I;TLW) N 1735

Zanthoxylum clava-herculis L., Hercules-club (N; TUM, TUO) N 262, 641, 724, 1459

SALICACEAE

Populus deltoides Marsh., Eastern Cottonwood (N; TUM) N 1460

Salix nigra Marsh., Black Willow (N; RLM, RUM, TLO) N 459, 1483, 1736

SAPINDACEAE

Cardiospermum halicacabum L., Balloonvine (I; RLM, TLO) N 196, 835, 934

Sapindus saponaria L. var. *drummondii* (Hook. & Arn.) L. Benson, Western Soapberry (N; RLM, RUM, TLM) N 1011, 2117, 2355

SAPOTACEAE

Sideroxylon lanuginosum Michx. ssp. *albicans* (Sarg.) Kartesz & Gandhi, Gum Bumelia (N; TUO) N 761, 2138

Sideroxylon lanuginosum Michx. ssp. *oblongifolium* (Nutt.) T.D. Penn., Gum Bumelia (N; TLW, TUM) N 176, 1333, 1844, 2105

SAURURACEAE

Saururus cernuus L., Lizard-tail (N; RLM) N 124, 2000

SAXIFRAGACEAE

Lepuropetalon spathulatum (Muhl.) Ell., Petite-plant (N; TLO) N 2482, 2511

Penthorum sedoides L., Ditch-Stonecrop (N; RUM, TLM) N 222, 2187, 2411

Saxifraga texana Buckl., Texas Saxifrage (N; TLO, TUO) N 2465, 2480

SCROPHULARIACEAE

Agalinis fasciculata (Ell.) Raf., Beach Gerardia (N; TUO) N 791

Agalinis heterophylla (Nutt.) Small ex Britton, Prairie Gerardia (N; TLO, TUO) N 904, 958, 2324

Agalinis purpurea (L.) Penn., Purple Gerardia (N) Jones & Jones 433 (TAES)

Aureolaria grandiflora (Benth.) Penn. var. *grandiflora*, Bigflower Oakleech (N; TLM) N 2665

Bacopa monnieri (L.) Penn., Coastal Water-hyssop (N; RUM) N 723

Bacopa rotundifolia (Michx.) Wettst., Disc Water-hyssop (N; RLM) N 2142

Castilleja indivisa Engelm., Texas Indian Paint-brush (N; TUO) N 381, 1317

Gratiola flava Leavenw., Golden Hedge-hyssop (N; TLM) N 2466

Gratiola neglecta Torr., Yellowseed Hedge-hyssop (N; RLM, RUM, TLM, TUO) N 544, 826, 1513, 2534

Gratiola virginiana L., Virginia Hedge-hyssop (N; RLM, TLW, TUO) N 445, 1279, 2535, 2548

Leucospora multifida (Michx.) Nutt., Narrowleaf Conobea (N; RLM) N 891

Linaria canadensis (L.) Dum. var. *canadensis*, Oldfield Toadflax (N; TLM) N 1235

Linaria canadensis (L.) Dum. var. *texana* (Scheele.) Penn., Texas Toadflax (N; TUM, TUO) N 438, 1530

Lindernia dubia (L.) Penn. var. *anagallidea* (Michx.) Cooperrider, Claspig False Pimpernel (N; RLM, RUM, TLW) N 1932, 1972, 2736

Mecardonia acuminata (Walter) Small, Sawtooth Water-hyssop (N; TLM) N 2383

Mecardonia procumbens (P. Mill) Small, Prostrate Water-hyssop (N; TLW) N 2549

Penstemon australis Small ssp. *laxiflorus* (Penn.) Bennett, Southern Beardtongue (N; TUM) N 179, 500, 1465

Verbascum thapsus L., Common Mullein (I; TUO) N 1906

Veronica agrestis L., Wayside Speedwell (I; TLO) N 1192

Veronica arvensis L., Common Speedwell (I; TLM) N 1212, 1234

Veronica peregrina L. ssp. *peregrina*, Purslane Speedwell (N; TLM, TLW) N 1233, 1281

Veronica peregrina L. ssp. *xalapensis* (Kunth. in H.B.K.) Penn., Purslane Speedwell (N; TLW) N 450

SIMAROUBACEAE

Ailanthus altissima (Mill) Swingle, Tree of Heaven (I; TUO) N 790

SOLANACEAE

Datura wrightii Regel., Jimsonweed (N; TUM, TUO) N 2175, 2300

Physalis cinerascens (Dun.) A.S. Hitchc. var. *cinerascens*, Beach Groundcherry (N; TUO) N 274, 903, 1061

Physalis heterophylla Nees. var. *heterophylla*, Clammy Groundcherry (N; TUM, TUO) N 532, 1774, 2609

Physalis pubescens L. var. *pubescens*, Downy Groundcherry (N;TLM,TUO) N 1403, 2192
Physalis pubescens L. var. *integrifolia* (Dun.) Waterfall, Downy Groundcherry (N;RLM,RUM) N 796, 2162
Solanum capsicastrum Link., False Jerusalem-cherry (I;TUW) N 1731, 2055
Solanum carolinense L., Carolina Horse-nettle (N;TLM,TLO,TLW,TUO) N 606, 930, 1673, 1954, 2195
Solanum dimidiatum Raf., Western Horse-nettle (N;TUO) N 1618, 2149
Solanum elaeagnifolium Cav., Silverleaf Horse-nettle (N;TLM,TUM) N 139, 2232
Solanum esculentum Mill var. *cerasiforme* (Dun.) A. Gray, Cherry Tomato (I;TUO) N 2698
Solanum ptycanthum Dun. ex DC., American Nightshade (N;RUM,TLO,TUM,TUW) N 1955, 1760, 1914, 2176
Solanum rostratum Dun., Buffalo-bur (N;TUO) N 2178
Solanum triquetrum Cav., Texas Nightshade (N;TUW) N 701

SPHENOCLEACEAE

Sphenoclea zeylanica Gaertn., Chicken-spike (I;RLM) N 2141

TILIACEAE

Tilia americana L. var. *americana*, American Basswood (N;RLM,RUM) N 1592, 1646
Tilia americana L. var. *caroliniana*, Carolina Basswood (N;TLM,TLW) N 152, 627, 2080

ULMACEAE

Celtis laevigata Willd., Sugar Hackberry (N;TLM,TUM) N 369, 465, 755
Planera aquatica (Walter) J.F. Gmel., Water Elm (N;RLM) N 443, 1645
Ulmus alata Michx., Winged Elm (N;TUM,TUW) N 331, 378, 1209
Ulmus americana L., American Elm (N;TLM,TLW,TUO) N 332, 349, 2092, 2523
Ulmus crassifolia Nutt., Cedar Elm (N;RLM,TLW,TUM,TUO) N 898, 929, 2343, 2375

URTICACEAE

Boehmeria cylindrica (L.) Sw., False Nettle (N;RLM,RUM) N 870, 2091
Parietaria pensylvanica Muhl. ex Willd. var. *obtusata* (Rydb. ex Small) Shinnery, Pellitory (N;TUO) N 1406

Parietaria pensylvanica Muhl. ex Willd. var. *pensylvanica*, Pennsylvania Pellitory (N;RLM,RUM,TLW) N 57, 440, 1253, 2504
Urtica chamaedryoides Pursh., Heart-leaf Nettle (N;RLM,TLW) N 342, 439, 601

VALERIANACEAE

Valerianella florifera Shinnery, Cornsalad (N;TUO) N 1561
Valerianella radiata (L.) Dufr., Cornsalad (N;TLM,TLO,TLW,TUM,TUO) N 364, 416, 461, 1269, 1303

VERBENACEAE

Callicarpa americana L., American Beautyberry (N;TLM,TUM) N 156, 920
Lantana camara L., West-Indian Lantana (I;TUM) N 765
Lantana urticoides Hayek, Lantana (N;TUM) N 2152
Phyla lanceolata (Michx.) Greene, Lanceleaf Frogfruit (N;RLM,RUM,TLO) N 128, 687, 966, 1820, 1975
Phyla nodiflora (L.) Greene var. *nodiflora*, Common Frogfruit (N;TLM,TUM) N 137, 2273
Verbena bipinnatifida Nutt., Dakota Vervain (N;Huss 91 (TAES) (*Glandularia bipinnatifida* (Nutt.) Nutt.)
Verbena brasiliensis Vell., Brazilian Vervain (I;TLO,TUO) N 85, 1213, 1635, 1819, 1976
Verbena canadensis (L.) Britton, Rose Vervain (N;TUO) N 1404 (*Glandularia canadensis* (L.) Nutt.)
Verbena officinalis L. ssp. *halei* (Small.) Barber, Slender Vervain (N;TLO,TUO) N 74, 925, 1493, 2126
Verbena scabra Vahl, Harsh Vervain (N;RUM) N 2221
Verbena stricta Vent., Hoary Vervain (N) Albers 33014 (TEX)
Verbena urticifolia L. var. *urticifolia*, White Vervain (N;TLM) N 1940
Verbena xutha Lehm., Gulf Vervain (N;TLO,TUO) N 198, 2112, 2619

VIOLACEAE

Viola bicolor Pursh., Field Pansy (N;TLM,TUO) N 366, 1216, 2467
Viola palmata L., Violet (N;TLW,TUM) N 1204, 2468
Viola sororia Willd. var. *missouriensis* (Greene) McKinney, Missouri Violet (N;RUM,TLM,TUM) N 337, 396, 1207

Viola sororia Willd. var. *sororia*, Sister Violet (N; RLM) N 975

VISCACEAE

Phoradendron tomentosum (DC.) Engelm. ex A. Gray, Mistletoe (N; PAR) N 1115, 1136, 1141, 1205

VITACEAE

Ampelopsis arborea (L.) Koehne., Peppervine (N; RUM, TLM, TUM) N 88, 633, 748

Ampelopsis cordata Michx., Heartleaf Peppervine (N; RLM, RUM) N 1941, 2312

Cissus incisa (Nutt.) Des Moul., Ivy Treebine (N; RLM, TUM) N 749, 919, 1857

Parthenocissus quinquefolia (L.) Planch., Virginia Creeper (N; TLM, TLW, TUM) N 155, 1111, 1298, 1573

Vitis aestivalis Michx. var. *lincecumii* (Buckl.) Munson, Summer Grape (N; TUM) N 1777

Vitis cinerea (Engelm. in A. Gray) Engelm. ex Millard., Sweet Grape (N; RUM, TLW, TUM) N 231, 1489, 2649

Vitis mustangensis Buckl., Mustang Grape (N; TLM, TLO, TUM) N 175, 625, 2177

Vitis palmata Vahl, Catbird Grape (N; RLM, TLM) N 117, 1830

Vitis riparia Michx., Frost Grape (N; RLM) N 1918

Vitis rotundifolia Michx. var. *rotundifolia*, Muscadine Grape (N; RLM, TUM, TUW) N 230, 1335, 1666, 1790

MAGNOLIOPHYTA: LILIOPSIDA

AGAVACEAE

Manfreda virginica (L.) Rose, Rattlesnake Master (N; TUM) N 2107

Yucca arkansana Trel., Arkansas Yucca (N; TUO) N 1616

Yucca louisianensis Trel., Louisiana Yucca (N; TUO) N 2565

Yucca treculeana Carr., Spanish Dagger (N; TUM) N 213

ALISMATACEAE

Echinodorus cordifolius (L.) Griseb., Burhead (N; RLM, TLW) N 1894, 1928

Sagittaria graminea Michx. ssp. *graminea* Grassy Arrowhead (N; AEM, RLM) N 424, 688, 1479

Sagittaria platyphylla Engelm., Delta Arrowhead (N; AEM, RUM) N 224, 1985

ARACEAE

Arisaema dracontium (L.) Schott., Green Dragon (N; TLM, TLW, TUW) N 142, 1414, 1572

ARECACEAE

Sabal minor (Jacq.) Pers., Small Palmetto (N; RLM, TLW) N 110, 677

BROMELIACEAE

Tillandsia recurvata L., Ball-moss (N; EPI) N 282, 2170

Tillandsia usneoides (L.) L., Spanish-moss (N; EPI) N 111, 586, 807, 1034, 1496

CANNACEAE

Canna x generalis L.H. Bailey, Canna (I; TLW) N 676

COMMELINACEAE

Commelina diffusa Burm. f. var. *diffusa*, Spreading Dayflower (N; TLO, TUW) N 970, 2663

Commelina erecta L. var. *angustifolia* (Michx.) Fern., Narrowleaf Dayflower (N; TUM, TUO) N 256, 1729, 1865

Commelina erecta L. var. *erecta*, Erect Dayflower (N; TLO) N 971

Commelina virginica L., Virginia Dayflower (N; RLM, TLW, TUO) N 853, 1594, 1980, 2344

Tradescantia hirsutiflora Bush, Hairflower Spiderwort (N; TLM, TLW) N 1603, 2486

Tradescantia ohiensis Raf., Ohio Spiderwort (N; RLM, TLO, TLW, TUW) N 355, 1435, 1654, 1832

Tradescantia reverchonii Bush, Reverschon Spiderwort (N) MacQueen 58 (TAMU)

Tradescantia subacaulis Bush., Stemless Spiderwort (N; TLM, TUM) N 413, 2586

CYPERACEAE

Carex albicans Willd. ex Spreng var. *australis* (Bailey) J. Rettig, Sedge (N; TLW) N 2517

Carex arkansana Bailey, Arkansas Sedge (N; TUO) N 2544

Carex austrina (Small) K. Mack., Southern Sedge (N; RUM) N 1966

Carex bulbostylis Dew., Sedge (N; TUW) N 1437

Carex bushii Mack., Bush Sedge (N; TUO) N 2629

Carex caroliniana Schwein., Carolina Sedge (N; RLM) N 1337

Carex cherokeensis Schwein., Cherokee Sedge (N; RUM, TLO, TLW, TUO) N 1191, 1286, 1770, 2541

Carex complanata T.&H., Sedge (N; RLM) N 407, 1338

Carex corrugata Fern., Corrugated Sedge (N; RUM) N 1771

Carex crus-corvi Schuttlw. ex Kuntze., Crowfoot Sedge (N; RLM, TLM) N 428, 1307, 1344

Carex emoryi Dew., Emory Sedge (N; RUM) N 2516

- Carex flaccosperma* K. Mack., Thinfruit Sedge (N; RLM, TLM, TLW) N 549, 1283, 1342, 1534
- Carex frankii* Kunth., Franks Sedge (N; RUM, TLW) N 1951, 1993
- Carex hyalina* Boott., Whitesheath Sedge (N; TUW) N 1439
- Carex hyalinolepis* Steud., Thinscale Sedge (N; TLW) N 1292, 1562
- Carex leavenworthii* Dew., Narrowleaf Sedge (N; RLM) N 408
- Carex longii* Mack., Longs Sedge (N; TLW) N 1569
- Carex louisianica* Bailey, Louisiana Sedge (N; TLW) N 1285
- Carex lupulina* Muhl., Hop Sedge (N; RLM, RUM, TLW) N 848, 1742, 1991, 2600
- Carex oxylepis* T. & H., Sharpscale Sedge (N; TLW) N 1287
- Carex retroflexa* Muhl., Reflexed Sedge (N; RLM) N 2590
- Carex tetrastachya* G. Scheele, Sedge (N; RLM, TUM) N 1880, 2591
- Carex texensis* (Torr.) L.H. Bailey, Texas Sedge (N; TLW) N 1291
- Carex triangularis* Boeckl., Sedge (N; RLM) N 409
- Carex vulpinoidea* Michx., Fox Sedge (N; RLM) N 1343
- Cyperus acuminatus* T. & H., Taperleaf Flatsedge (N; AEM) N 119, 713
- Cyperus articulatus* L., Jointed Flatsedge (N; TLO) N 609
- Cyperus croceus* Vahl, Baldwin Flatsedge (N; TUM, TUO) N 780, 2703
- Cyperus echinatus* (L.) A. Wood, Globe Flatsedge (N; TUM) N 2434
- Cyperus erythrorhizos* Muhl., Redroot Flatsedge (N; RLM) N 812, 2349
- Cyperus esculentus* L. var. *esculentus*, Yellow Nut-sedge (N; TUM) N 2457
- Cyperus haspan* L., Sheathed Flatsedge (N; RUM) N 714
- Cyperus odoratus* L. var. *squarrosus* Jones, Wippf, & Carter, Fragrant Flatsedge (N) Jones & Jones 404 (TAES)
- Cyperus polystachos* Rottb., Flatsedge (N; RLM) N 809
- Cyperus pseudovegetus* Steud., Flatsedge (N; TLM, TUO) N 571, 1095
- Cyperus reflexus* Vahl, Bentawn Flatsedge (N; TUM) N 2458
- Cyperus retrorsus* A. Chapm., Flatsedge (N; TUM, TUO) N 258, 695
- Cyperus retroflexus* Buckl. var. *retroflexus*, Oneflower Flatsedge (N) Duncan s.n. (TAES), MacQueen 73 (TAMU)
- Cyperus rotundus* L., Nutgrass (I; RLM, TUO) N 1884, 2267
- Cyperus strigosus* L., False Nutgrass (N; TUO) N 2134
- Cyperus virens* Michx., Green Flatsedge (N; TLO) N 1036
- Eleocharis fallax* Weath., Spikerush (N) Kessler 5839 (SHST)
- Eleocharis lanceolata* Fern., Lanceleaf Spikerush (N) Herrick 120 (TAMU)
- Eleocharis microcarpa* Torr., Smallseed Spikerush (N; RLM) N 1341
- Eleocharis montevidensis* Kunth., Sand Spikerush (N; AEM, RUM, TLM) N 423, 1305, 1565, 1986
- Eleocharis obtusa* (Willd.) Shult., Blunt Spikerush (N; AEM) N 1476
- Eleocharis palustris* (L.) Romer & J.A. Shultes, Largespike Spikerush (N; RLM) N 1887
- Eleocharis quadrangulata* (Michx.) R.&S., Squarestem Spikerush (N; AEM) N 685
- Fimbristylis autumnalis* (L.) R. & S., Slender Fimbry (N; RLM, RUM) N 252, 811
- Fimbristylis vahlii* (Lam.) Link., Vahl Fimbry (N; RLM) N 236, 808, 2353
- Fuirena squarrosa* Michx., Hairy Umbrellagrass (N; RUM) N 226
- Isolepis carinata* Hook. & Arn. ex Torr., Small Bulrush (N; RLM, TLM, TUO) N 541, 1340, 1485
- Isolepis molesta* (M.C. Johnst.) S.G. Smith, Small Bulrush (N; TLM) N 542, 1304
- Kyllinga odorata* Vahl, Fragrant Flatsedge (N; RUM, TLO) N 574, 2326
- Rhynchospora caduca* Ell., Anglestem Beakrush (N; RLM) N 240
- Rhynchospora corniculata* (Lam.) A. Gray, Horned Beakrush (N; AEM) N 1946
- Rhynchospora globularis* (Chapm.) Small var. *recognita* Gale, Beakrush (N; RLM) N 125
- Rhynchospora glomerata* (L.) Vahl, Cluster Beakrush (N; TLW) N 1451, 1547
- Rhynchospora macrostachya* Torr., Tall Beakrush (N; AEM, RUM) N 115, 1473
- Schoenoplectus californicus* (C. Meyer) J. Sojak., Giant Bulrush (N; AEM) N 722

Scirpus cyperinus (L.) Kunth., Woolgrass Bulrush (N) Kessler 5849, 5866 (SHST)

Scleria ciliata Michx., Fringed Nutrush (N; RUM) N 1625

Scleria oligantha Michx., Littlehead Nutrush (N; TUW) N 1444

DIOSCOREACEAE

Dioscorea villosa L., Atlantic Yam (N; TLW, TUW) N 1301, 1658, 1907, 2657

IRIDACEAE

Alophia drummondii (Graham) Foster, Purple Pleatleaf (N; TLO) N 2678

Gladiolus italicus Mill., Corn-flag (I; TUO) N 2741

Iris hexagona Walter var. *flexicaulis* (Small) Foster, Dixie Iris (N; TLM, TUO) N 1311, 2481, 2574

Iris pallida Lam., Bearded Iris (I; TUM) N 768

Sisyrinchium albidum Raf., White Blue-eyed Grass (N; TUM) N 556

Sisyrinchium exile Bickn., Yellow Blue-eyed Grass (N; TLW, TUO, TUW) N 1268, 1433, 1600

Sisyrinchium langloisii Greene, Pale Blue-eyed Grass (N; TUO) N 1602

Sisyrinchium minus Engelm. & A. Gray, Least Blue-eyed Grass (N; TUO) N 1601

Sisyrinchium pruinatum Bickn., Dotted Blue-eyed Grass (N; TLO, TUO) N 468, 1454

Sisyrinchium rosulatum Bickn., Spreading Blue-eyed Grass (I; TLO, TUM, TUO) N 567, 1703, 2664

JUNCACEAE

Juncus acuminatus Michx., Knotleaf Rush (N; TUW) N 1440

Juncus acuminatus Michx. f. *sphaerocephalus* Herm., Knotleaf Rush (N; RUM) N 1637

Juncus brachycarpus Engelm., Whiteroot Rush (N; RUM) N 1728

Juncus bufonius L., Toad Rush (N) Gould 8560 (TAES)

Juncus capitatus Weigel., Capped Rush (N; TUO) N 2499

Juncus debilis A. Gray, Weak Rush (N; RUM) N 1981

Juncus dichotomous Ell., Forked Rush (N; TLM, TUO) N 1217, 1308

Juncus diffusissimus Buckl., Slimpod Rush (N; AEM, TLM) N 47, 589

Juncus dudleyi Wieg., Dudley Rush (N; RLM, TUW) N 433, 1443

Juncus effusus L. var. *solutus* Fern. & Weig., Common Rush (N; AEM, ASU, RLM) N 247, 432, 1114, 1560

Juncus interior Wieg., Inland Rush (N; RUM, TLW) N 1962, 1992

Juncus marginatus Rostk., Grassleaf Rush (N; TLM, TLO, TUO) N 26, 575, 2643

Juncus repens Michx., Creeping Rush (N; ASU) N 1971

Juncus scirpoides Lam., Needlepod Rush (N; RUM) N 1103

Juncus tenuis Willd., Slender Rush (N; RUM) N 58

Juncus validus Coville. var. *validus*, Roundhead Rush (N; AEM, RLM, TLW, TUM) N 122, 1270, 1701, 1780, 1944

Luzula bulbosa (Wood.) Rydb., Bulb Woodrush (N; TLM, TLO) N 2479, 2519

LEMNACEAE

Lemna minima Phil., Duckweed (N; AFL) N 1042

Spirodela polyrrhiza (L.) Schleid., Duck-meat (N; AFL) N 2365

Spirodela punctata (Meyer) Thomps., Duck-meat (I; AFL) N 1043, 2489

Wolffia columbiana Karst., Water-meal (N; AFL) N 2490

LILIACEAE

Allium canadense L. var. *canadense*, Wild Onion (N; TLM, TLO, TUW) N 460, 1434, 1589, 2579

Allium canadense L. var. *mobile* (Regel.) M. Ownbey, Wild Onion (N; TLM, TUM, TUO) N 404, 502, 1725, 2576

Asparagus officinalis L., Asparagus (I; TUO) N 1811

Cooperia drummondii Herb., Cebolleta (N; TUO) N 271

Cooperia pedunculata Herb., Giant Rainlily (N; TUO) N 2173

Crinum americanum L., Swamp-lily (N; TUO) N 1639

Erythronium albidum Nutt., White Fawn-lily (N; TLW) N 2510

Habranthus tubispathus (L'Her) Traub, Copper Rainlily (I; TUO) N 206, 2172

Hemerocallis fulva L., Daylily (I; TLW, TUM) N 675, 766

Hippeastrum bifidum (Herb.) Bak., Oxblood Lily (I; TUM) N 2244

Hymenocallis caroliniana (L.) Herb., Carolina Spiderlily (N; AEM, TLW) N 1641, 2538

Hymenocallis eulae Shinnery, Late Spiderlily (N; TUM, TUO) N 1875, 2255, 2377

Hymenocallis liriosme (Raf.) Shinnery, Spiderlily (N; AEM) N 1313

Hypoxis hirsuta (L.) Cov., Hairy Goldstar-grass (N; TUM) N 415, 1461

Liriope spicata Lour., Creeping Lilyturf (I; TLW) N 672

Narcissus jonquilla L., Jonquil (I; TUO) N 2525

Nothoscordum bivalve (L.) Britton, Crow-poison (N; TLM, TUO) N 334, 910

Zigadenus nuttallii A. Gray, Nutall Deathcamas (N; TUM) N 1325

MARANTACEAE

Thalia dealbata Roscoe, Powdery Thalia (N; AEM) N 132, 2572

NAJADACEAE

Najas guadalupensis (Spreng.) Magnus, Southern Naiad (N; AFL) N 682

ORCHIDACEAE

Corallorhiza wisteriana Conrad., Wister Coralroot (N; TUW) N 1456

Spiranthes cernua (L.) Rich var. *cernua*, Nodding Ladies' Tresses (N; TLM, TUM, TUO) N 1000, 1024, 1063, 1117, 2422

Spiranthes gracilis (Bigel.) Beck var. *gracilis*, Slender Ladies' Tresses (N; TUO) N 1005, 1062

Spiranthes parksii Correll, Navasota Ladies' Tresses (N) Nixon 15571 (ASTC), Parker 1858 (BRIT)

Spiranthes praecox (Walter) Wats., Grass-leaved Ladies' Tresses (N; TUW) N 1671

Spiranthes tuberosa Raf., Gray's Ladies' Tresses (N; TLM) N 2670

Spiranthes vernalis Engelm. & A. Gray, Spring Ladies' Tresses (N; RUM, TLO, TUO) N 604, 608, 1804, 2606

POACEAE

Agrostis elliottiana Schult., Elliot Bentgrass (N; TUM) N 1354

Agrostis hyemalis (Walter) B.S.P., Winter Bentgrass (N; TLM, TLW, TUO) N 55, 1410, 1526, 1762

Aira caryophylla L., Hairgrass (I; TUO) N 1535, 1687

Alopecurus carolinianus Walter, Carolina Foxtail (N; TLM, TLW, TLO) N 64, 1409, 1558

Andropogon glomeratus (Walter) B.S.P., Bushy Bluestem (N; RLM) N 976

Andropogon ternarius Michx., Splitbeard Bluestem (N; TUM, TUO) N 1009, 1023, 1092, 1109

Andropogon virginicus L., Broomsedge Bluestem (N; RUM, TUO) N 2035, 2464

Aristida desmantha Trin. & Rupr., Curly Threeawn (N; TUO) N 1008

Aristida longespica Poir. var. *geniculata* (Raf.) Fern, Plains Threeawn (N; TLM) N 2444

Aristida longespica Poir. var. *longespica*, Slimspike Threeawn (N; TUO) N 1075

Aristida oligantha Michx., Oldfield Threeawn (N; TUM, TUO) N 914, 2346, 2442

Arundinaria gigantea (Walter) Muhl., Giant Cane (N; RLM, TLW) N 833, 1399, 1588

Arundo donax L., Giant Reed (I; TUO) N 880, 881

Avena fatua L. var. *fatua*, Wild Oats (I; TLO, TUO) N 455, 1393

Avena fatua L. var. *sativa* (L.) Hausskn., Common Oats (I; TLO) N 167

Bothriochloa ischaemum (L.) Keng. var. *songarica* (Fisch. & Mey.) Cel. & Harl., King Ranch Bluestem (I; TUM, TUO) N 789, 1108, 1525, 2276

Bothriochloa laguriodes (DC.) Herter ssp. *torreyana* (Steud.) Allred & Gould, Silver Bluestem (N; TUM, TUO) N 105, 1007, 1093

Bothriochloa longipaniculata (Gould) Allred & Gould, Longspike Silver Bluestem (N; TUM, TUO) N 917, 1094, 2275

Bouteloua curtipendula (Michx.) Torr. var. *curtipendula*, Sideoats Grama (N; TUO) N 696

Briza minor L., Little Quaking Grass (I; TLO, TLW, TUO) N 517, 1332, 1449

Bromus catharticus M.A. Vahl, Rescuegrass (I; RUM, TUM, TUO) N 516, 1352, 1394, 2507

Bromus japonicus Thunb., Japanese Brome (I; TUO) N 1726, 2005

Bromus pubescens Muhl. ex Willd., Brome (N) Nixon 4712 (ASTC)

Bromus secalinus L., Rye Brome (I; TLM, TUO) N 67, 1677, 1763

Buchloe dactyloides (Nutt.) Engelm., Buffalograss (N; TLO) N 579, 1889

Cenchrus spinifex A. Cav., Sandbur (N; TUM, TUO) N 249, 737, 2016, 2270, 2397

Chasmanthium latifolium (Michx.) Yates, Broad-leaf Woodoats (N; RLM, RUM) N 112, 795, 1765

Chasmanthium laxum (L.) Yates var. *laxum*, Woodoats (N; RLM, TLW) N 228, 2400

Chasmanthium laxum (L.) Yates var. *sessiliflorum* (Poir.) Wipff & S.D. Jones, Narrowleaf Woodoats (N; TLW, TUW) N 2075, 2658

Chloris canterai Arech., Windmillgrass (I; TUO) N 2124

- Chloris verticillata* Nutt., Tumble Windmillgrass (N; TUM) N 2259
- Chloris virgata* Sw., Showy Windmillgrass (N; TLM) N 1015
- Chloris x subdolichostachya* Mueller, Shortspike Windmillgrass (N; TUM, TUO) N 1105, 2122
- Cynodon dactylon* (L.) Pers., Bermuda Grass (I; TUM, TUO) N 913, 1033, 1327
- Dactyloctenium aegyptium* (L.) Willd., Durban Crowfootgrass (I; RLM, TUO) N 849, 912, 2310
- Dichanthelium aciculare* (Poir.) Gould & Clark var. *aciculare*, Rosettegrass (N; TLO, TUO) N 996, 1978
- Dichanthelium acuminatum* (Sw.) Gould & Clark var. *acuminatum*, Woolly Rosettegrass (N; RUM, TUO, TUW) N 71, 716, 1422, 1766
- Dichanthelium acuminatum* (Sw.) Gould & Clark var. *lindheimeri* (Nash) Gould, Lindheimer Rosettegrass (N; RLM, RUM, TUW) N 746, 875, 2708
- Dichanthelium clandestinum* (L.) Gould, Deertongue Rosettegrass (N; TUW) N 2709
- Dichanthelium commutatum* (Schult.) Gould, Variable Rosettegrass (N; TLM, TLW, TUW) N 1289, 1429, 1524, 2077, 2518
- Dichanthelium dichotomum* (L.) Gould var. *dichotomum*, Rosettegrass (N; TUM) N 539
- Dichanthelium oligosanthes* (Schult.) Gould var. *oligosanthes*, Rosettegrass (N; TUM) N 553
- Dichanthelium oligosanthes* (Schult.) Gould var. *scribnerianum* (Nash) Gould, Scribners Rosettegrass (N; TUM, TUO, TUW) N 25, 1850, 2707
- Dichanthelium ravenelii* (Lamson-Scribn.) Gould, Rosettegrass (N; TLM) N 2673
- Dichanthelium scoparium* (Lam.) Gould, Velvet Rosettegrass (N; RUM, TUM, TUO) N 227, 508, 1773, 1778, 1903
- Dichanthelium sphaerocarpon* (Ell.) Gould & Clark var. *sphaerocarpon*, Roundseed Rosettegrass (N; TLW) N 1294, 1505
- Digitaria cognata* (Schult.) Pilger ssp. *cognata*, Fall Witchgrass (N; TUO) N 1057, 1617
- Digitaria sanguinalis* (L.) Scop., Hairy Crabgrass (I; TLO, TUM, TUO) N 2019, 2123, 2212, 2261
- Digitaria villosa* (Walter) Pers., Shaggy Crabgrass (N; TUM) N 782
- Digitaria violascens* Link., Violet Crabgrass (I) Wells 36 (TAES)
- Echinochloa colonum* (L.) Link., Junglerice (I; AEM) N 2460
- Echinochloa crusgallii* (L.) Beauv. var. *crusgallii*, Barnyard Grass (I; AEM, RLM, RUM) N 816, 2032, 2082, 2167
- Echinochloa muricata* (Beauv.) Fern., Barnyard Grass (N) Newman 18 (TAES)
- Echinochloa walteri* (Pursh) Heller, Barnyard Grass (N; AEM, RLM, TUO) N 290, 2214, 2347
- Eleusine indica* (L.) Gaertn., Goosegrass (I; TUO) N 2121
- Elymus canadensis* L. var. *canadensis*, Canada Wildrye (N; TUM, TUO) N 107, 618, 1733
- Elymus virginicus* L., Virginia Wildrye (N; TLO, TLW, TUO) N 1840, 1920, 2018
- Eragrostis curtipedicillata* Buckl., Gummy Lovegrass (N; TUM) N 2280
- Eragrostis hirsuta* (Michx.) Nees, Bigtop Lovegrass (N; TUM) N 2186
- Eragrostis hypnoides* (Lam.) B.S.P., Teal Lovegrass (N; RLM) N 235
- Eragrostis intermedia* A.S. Hitchc. var. *intermedia*, Plains Lovegrass (N; TUM) N 1099, 2237
- Eragrostis reptans* (Michx.) Nees, Creeping Lovegrass (N; RLM) N 887, 1939, 2354, 2592
- Eragrostis secundiflora* Presl. ssp. *oxylepis* (Torr.) S.D. Koch, Red Lovegrass (N; TUM, TUO) N 246, 697, 2263, 2305, 2433
- Eragrostis spectabilis* (Pursh.) Steud., Purple Lovegrass (N; RLM, TUM) N 771, 2352, 2438
- Eriochloa sericea* (Scheele) Munro ex Vasey, Texas Cupgrass (N) Nixon 4737 (ASTC)
- Eustachys retusa* (Lag.) Kunth., Windmillgrass (N; TUO) N 1963
- Festuca subverticillata* (Pers.) E.B. Alexeev, Nodding Fescue (N; TUO) N 1585
- Glyceria septentrionalis* Hitchc. var. *septentrionalis*, Eastern Mannagrass (N; AEM) N 1945
- Gymnopogon ambiguus* (Michx.) B.S.P., Bearded Skeletongrass (N) Wells 45 (TAES)
- Hordeum leporinum* Link., Hare Barley (I; TLO) N 1442
- Hordeum pusillum* Nutt., Little Barley (N; TUO) N 1396
- Leersia lenticularis* Michx., Catchfly Grass (N; RLM) N 866, 978, 2348
- Leersia virginica* Willd., Whitegrass (N; RLM, RUM) N 817, 2674
- Lolium perenne* L., Perennial Ryegrass (N; TLM, TLO, TUO) N 454, 1237, 1395

- Melica mutica* Walter, Twoflower Melic (N; RUM, TLW) N 148, 1259
- Muhlenbergia capillaris* (Lam.) Trin., Hairyawm Muhly (N; TUM) N 1098, 2440
- Muhlenbergia schreberi* Gmel., Nimblewill (N) Rich & Briley 1713 (ASTC)
- Nassella leucotricha* (Trin. & Rupr.) Pohl., Texas Wintergrass (N; TLO, TLW) N 453, 1490
- Oplismenus hirtellus* (L.) Beauv., Basketgrass (I; TLM, TLW) N 1593, 2303, 2398
- Panicum anceps* Michx., Beaked Panicum (N; TUM) N 2235, 2441
- Panicum brachyanthum* Steud., Pimple Panicum (N; TLM, TUM) N 2252, 2302
- Panicum dichotomiflorum* Michx., Fall Panicum (N; RLM, TLW) N 888, 2459
- Panicum diffusum* Sw., Spreading Panicum (N) Waller & Lonard 1973 (TAES)
- Panicum gymnocarpon* Ell., Savannah Panicum (N; RLM) N 850
- Panicum hallii* Vasey var. *hallii*, Halls Panicum (N) Wells 65 (TAES)
- Panicum hians* Ell., Gaping Panicum (N; RLM, TLM, TUO) N 120, 543, 818, 1055
- Panicum rigidulum* Nees, Redtop Panicum (N; RLM, TLW) N 297, 819, 890, 1892, 1994
- Panicum virgatum* L., Switchgrass (N; RLM, TUO) N 889, 1089, 2712
- Paspalidium geminatum* (Forssk.) Stapf. var. *geminatum*, Paspalidium (N; RUM) N 2030
- Paspalum dilatatum* Poir., Dallisgrass (I; TUM) N 1786
- Paspalum floridanum* Michx. var. *glabratum* Engelm. ex Vasey, Florida Paspalum (N; TUM, TUO) N 715, 1032, 2437
- Paspalum fluitans* (Ell.) Kunth., Water Paspalum (N; RLM, RUM) N 863, 2166, 2350 (*P. repens* Bergius var. *fluitans* (Ell.) Wipff & S.D. Jones)
- Paspalum laeve* Michx., Field Paspalum (N) Newman 2 (TAES)
- Paspalum notatum* Flugge var. *notatum*, Bahiagrass (I; TUM, TUO) N 245, 1849
- Paspalum notatum* Flugge var. *saurae* Parodi, Bahiagrass (I; TLM) N 634
- Paspalum plicatulum* Michx., Brownseed Paspalum (N; TUM, TUO) N 69, 1950, 2004, 2258, 2628
- Paspalum pubiflorum* Rupr. ex Fourn., Hairyseed Paspalum (N) Nixon 7604 (TAES)
- Paspalum setaceum* Michx. var. *setaceum*, Thin Paspalum (N; TUO) N 1708
- Paspalum setaceum* Michx. var. *stramineum* (Nash.) D. Banks, Thin Paspalum (N; TUO) N 1848
- Paspalum urvillei* Steud., Vaseygrass (I; TLO, TUO) N 286, 1815, 2461
- Phalaris caroliniana* Walter, Carolina Canarygrass (N; TLM, TLO, TUM) N 60, 507, 1425
- Piptochaetium avenaceum* (L.) Parodi, Blackseed Needlegrass (N; RLM, TLM, TLW, TUM) N 555, 1293, 1345, 1580
- Poa annua* L., Annual Bluegrass (I; TLW) N 2739
- Poa autumnalis* Muhl. ex Ell., Autumn Bluegrass (N; TUO) N 1567
- Poa chapmaniana* Lamson.-Scribn., Chapman Bluegrass (N; TUM) N 434
- Polypogon monspeliensis* (L.) Desf., Rabbitfoot Polypogon (I; RUM) N 1977
- Saccharum baldwinii* Spreng., (N; RUM) N 2345
- Schizachyrium scoparium* (Michx.) Nash var. *divergens* (Hack.) Gould, Little Bluestem (N; TUM, TUO) N 1058, 2306
- Schizachyrium scoparium* (Michx.) Nash var. *scoparium* (C.E. Hubb.) Gould, Little Bluestem (N; TUM, TUO) N 993, 2238
- Secale cereale* L., Rye (I; TUM) N 103
- Setaria parviflora* (Poir.) Kerguel., Bristlegrass (N; RLM, TLO, TUM, TUO) N 197, 285, 623, 1627, 2213, 2278
- Sorghastrum nutans* (L.) Nash, Yellow Indiangrass (N; TUM, TUO) N 1090, 1106, 2435
- Sorghum halepense* (L.) Pers., Johnsongrass (I; RUM, TUM, TUO) N 108, 1734, 2033
- Sphenopholis interrupta* (Buckl.) Lamson-Scribn., Wedgescale (N; TUO) N 1689
- Sphenopholis obtusata* (Michx.) Lamson-Scribn. var. *major* (Torr.) Erdman, Wedgescale (N; TLM, TLW, TUO) N 1255, 1306, 1564
- Sphenopholis obtusata* (Michx.) Lamson-Scribn. var. *obtusata*, Prairie Wedgescale (N; TUO) N 1488
- Sporobolus compositus* (Poir.) Merr. var. *macer* (Trin.) Kartesz & Gandhi, Dropseed (N; TUM, TUO) N 1059, 2439
- Sporobolus coromandelianus* (Retz.) Kunth, Dropseed (N; TUO) N 2174
- Sporobolus cryptandrus* (Torr.) A. Gray, Sand Dropseed (N; TUM) N 2279

Sporobolus indicus (L.) R. Br., Smutgrass (N; TUM, TUO) N 1330, 1523, 2462
Stenotaphrum secundatum (Walter) Kuntze, St. Augustine Grass (I; RUM, TLO) N 763, 2641
Tridens flavus (L.) A.S. Hitchc. var. *chapmanii* (Small) Shinnery, Chapman Tridens (N; RLM, TUM) N 783, 804
Tridens flavus (L.) A.S. Hitchc. var. *flavus*, Purpletop (N; TUM, TUO) N 2301, 2436
Tridens strictus (Nutt.) Nash, Longspike Tridens (N; TUM, TUO) N 916, 1060, 2257
Tripsacum dactyloides (L.) L., Eastern Gamagrass (N; TLM, TLO, TUO) N 150, 645, 2132
Triticum aestivum L., Wheat (I; TUM) N 102
Urochloa platyphylla (Munro ex Wright) R.D. Web., Broadleaved Signalgrass (N; TUM, TUO) N 2271, 2372, 2679
Urochloa texana (S. Buckl.) R.D. Webster, Texas Signalgrass (N; TUM, TUO) N 915, 1124
Vulpia myuros (L.) K.C. Gmel. var. *myuros*, Rattail Sixweeks Grass (I; TLO, TLW) N 1470, 1667
Vulpia octoflora (Walter) Rydb. var. *octoflora*, Common Sixweeks Grass (N; TLM, TUM, TUO) N 554, 1507, 1546, 2587
Vulpia sciurea (Nutt.) Henr., Squirrel Sixweeks Grass (N; TUO) N 2563

Zea mays L., Corn (I; TLO) N 2207
Zizaniopsis miliacea (Michx.) Doell. & Asch., Southern Wildrice (N; RLM, RUM) N 220, 1890

PONTEDERIACEAE

Pontederia cordata L., Pickerelweed (N; AEM) N 188

POTAMOGETONACEAE

Eichhornia crassipes (Mart.) Solms, Water Hyacinth (I) Murray 34 (TAMU), Griffith 28 (TAMU)
Potamogeton diversifolius Raf. var. *diversifolius*, Waterthread Pondweed (N; AFL) N 1983, 1481, 2446

SMILACACEAE

Smilax bona-nox L., Cat-briar (N; RLM, TUM, TUW) N 123, 1053, 1127, 2071, 2455
Smilax glauca Walter, Saw-briar (N; TLW, TUM) N 1769, 1791
Smilax glauca Walter var. *leucophylla* Blake, Saw-briar (N; TUM) N 232
Smilax smallii Morong, Green-briar (N; TLW, TUM) N 340, 560, 1768, 2068
Smilax tamnoides L., Hellfetter (N; RLM, TLW) N 873, 2115, 2404

TYPHACEAE

Typha domingensis Pers., Cattail (N; AEM) N 97, 590, 1037, 1628, 1982

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